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INSTRUMENT APPROACH PROCEDURE CHARTS

A IFR ALTERNATE AIRPORT MINIMUMS

Standard alternate minimums for non precision approaches are 800-2 (NDB, VOR, LOC, TACAN, LDA, VORTAC, VOR/DME, ASR or WAAS LNAV); for precision approaches 600-2 (ILS or PAR). Airports within this geographical area that require alternate minimums other than standard or alternate minimums with restrictions are listed below. NA - means alternate minimums are not authorized due to unmonitored facility or absence of weather reporting service. Civil pilots see FAR 91. IFR Alternate Minimums: Ceiling and Visibility Minimums not applicable to USA/USN/USAF. Pilots must review the IFR Alternate Minimums Notes for alternate airfield suitability.

NAME ALTERNATE MINIMUMS

BABELTHUAP, KOROR, PS

BABELTHUAP/KOROR ..... **NDB Rwy 9[1]**
RNAV (GPS) Rwy 9
RNAV (GPS) Rwy 27

NA except standard for operators with approved weather reporting service.
[1]Categories A,B, 900-2; Category C, 900-2¼; Category D, 900-2½.

DALAP, RM

MARSHALL ISLANDS INTL ..... **NDB Rwy 7[1]**
NDB Rwy 25[1]
RNAV (GPS) Rwy 7[2]
RNAV (GPS) Rwy 25[2]

[1]NA when Majuro Radio closed.
[2]NA when local weather not available.

GUAM, GQ

GUAM INTL ..... **ILS or LOC Rwy 6L[1]**
ILS or LOC Rwy 6R[1]
RNAV (GPS) Y Rwy 6R[2]
RNAV (GPS) Y Rwy 24L[4]
RNAV (GPS) Y Rwy 24R[3]
RNAV (RNP) Z Rwy 24L[4]
RNAV (RNP) Z Rwy 24R[4]
TACAN Rwy 24R[5]

[1]ILS,LOC, Categories A,B, 1200-2; Categories C,D, 1200-3.
[2]Category D, 800-2¼.
[3]Category C, 800-2¼; Catagory D, 800-2½.
[4]Categories A, B, C, D, 900-3.
[5]Categories A, B, 900-2; Category C, 900-2¾; Category D, 900-3.

HILO, HI

HILO INTL ..... **ILS or LOC Rwy 26**

ILS, Category D, 700-2.
NA when control tower closed.

NAME ALTERNATE MINIMUMS

HONOLULU, HI

HONOLULU INTL ..... **ILS Rwy 4R[1]**
LDA/DME Rwy 26L[1]
LOC Rwy 8L[2]
RNAV (GPS) Y Rwy 4R[3]
RNAV (GPS) Y Rwy 8L[4]
VOR/DME or TACAN or GPS-B[5]
VOR or TACAN or GPS-A[1]
VOR or TACAN Rwy 4R[6]

[1]Category E, 1500-3.
[2]Category D, 900-2½.
[3]Category D, 900-2½; Category E, 1500-3.
[4]Category D, 900-2½; Category E, 1700-3.
[5]Category E, 900-3.
[6]Category D, 800-2½.

KAHULUI, HI

KAHULUI ..... **ILS or LOC Rwy 2[1]**
LOC/DME BC Rwy 20[2,3]
NDB/DME Rwy 2[2]
RNAV (GPS) Rwy 23[4]
VOR/DME or TACAN Rwy 20[5]

[1]ILS, LOC, Categories A, B 1500-2; Categories C, D, E, 1500-3.
[2]NA when control tower closed.
[3]Category E, 1400-3.
[4]NA when local weather not available.
[5]NA when control tower closed, except for operators with approved weather reporting service.

KAILUA-KONA, HI

KONA INTL AT
KEAHOLE ..... **ILS or LOC/DME Rwy 17**

NA when control tower closed.

KAMUELA, HI

WAIMEA-KOHALA ..... **VOR/DME-A**
VOR/DME Rwy 4[1]

Categories A,B, 1100-2, Category C, 1100-3, Category D, 1300-3.
[1]Categories A,B, 900-2, Category C, 900-2½, Category D, 1300-3.

NAME ALTERNATE MINIMUMS

KAPOLEI, OAHU ISLAND, HI

KALAELOA (JOHN RODGERS FIELD) .... **NDB Rwy 4R**
Category C, 800-2¼; Category D, 800-2½.

KAUNAKAKAI, HI

MOLOKAI ..... **VOR or TACAN or GPS-A**
Categories A,B, 1200-2; Categories C,D, 1200-3.

KOSRAE, FM

KOSRAE ..... **NDB/DME-A[1,2]**
RNAV (GPS) Rwy 5[3]
RNAV (GPS) Rwy 23[4]

[1]NA when NDB (UKS) not monitored or local weather not available. Both NDB (UKS) monitored and local weather available Monday through Saturday from 2100 UTC to 0500 UTC (0800 local to 1600 local).
[2]800-3.
[3]NA except standard for operators with approved weather reporting service.
[4]NA except categories A,B, standard, Category C, 800-2¼, Category D 800-2½, for operators with approved weather reporting service.

LANAI CITY, HI

LANAI ..... **VOR or TACAN or GPS-A**
NA when local weather not received except for operators with approved weather reporting service.

LIHUE, HI

LIHUE ..... **ILS or LOC Rwy 35[1]**
RNAV (GPS) Rwy 17[2]
RNAV (GPS) Y Rwy 21[2]
RNAV (GPS) Y Rwy 35[3]

[1]ILS,LOC,NA when control tower closed; LOC,Category E, NA.
[2]Category B, 900-2; Category C, 1000-2¾; Category D, 1000-3.
[3]Category C, 800-2¼; Category D, 800-2½.

MIDWAY ATOLL, MQ

HENDERSON FIELD ..... **NDB Rwy 6**
NDB Rwy 24
RNAV (GPS) Rwy 6
RNAV (GPS) Rwy 24
NA except standard for operators with approved weather reporting service.

NAME ALTERNATE MINIMUMS

POHNPEI ISLAND, FM

POHNPEI INTL ..... **NDB or GPS-B[1]**
NDB or GPS-C[1]
NDB/DME or GPS-A[1]
NDB/DME Rwy 9, 800-3
RNAV (GPS) Rwy 9[2]
RNAV (GPS) Rwy 27[1]
NA when local weather not available.
[1]Category D, 800-2¼.
[2]Categories A,B, 1000-2¼; Category C, 1000-2¾; Category D, 1000-3.

SAIPAN, CQ

FRANCISCO C. ADA/
SAIPAN INTL ..... **GPS Rwy 7**
GPS Rwy 25
NA except standard for operators with approved weather reporting service.

ROTA INTL ..... **GPS Rwy 9[1]**
GPS Rwy 27[1]
NDB Rwy 9[2,3]
NDB Rwy 27[2,3]

[1]NA except standard for operators with approved weather reporting service.
[2]NA when terminal weather not available 0900 UTC to 2000 UTC except for operators with approved weather reporting service. Terminal weather available on Rota Radio 123.6 from 2000 UTC to 0900 UTC.
[3]Category D, 800-2¼.

TINIAN ISLAND, CQ

TINIAN INTL ..... **NDB-A[1,2]**
RNAV (GPS) Rwy 8[3,4]
RNAV (GPS) Rwy 26[3,4]

[1]Category C, 800-2¼; Category D, 800-2½.
[2]NA when local weather not available except for operators with approved weather reporting service.
[3]Category D, 800-2¼.
[4]NA when local weather not available.

TUTUILA, AQ

PAGO PAGO INTL ..... **ILS/DME Rwy 5[1]**
NDB-C[2]
VOR-D[3,4]

[1]ILS, Categories C,D, 700-2.
[2]Category D, 800-2¼.
[3]NA when control zone not in effect.
[4]Categories A,B, 1100-3; Categories C,D, 1100-3.

NAME	ALTERNATE MINIMUMS
WENO ISLAND, FM	
CHUUK INTL	**NDB/DME Rwy 4[1]**
	NDB or GPS-A[1]
	NDB or GPS-B[1]
	RNAV (GPS) Rwy 4[2]

[1]800-3.
[2]NA except standard for operators with approved weather reporting service.

YAP ISLAND, FM	
YAP INTL	**NDB Rwy 25[1]**
	NDB/DME Rwy 25[2]

[1]Categories A,B, 900-2; Category C, 900-2¾; Category D, 900-3.
[2]Categories A,B, 900-2; Category C, 900-2½; Category D, 900-2¾ .

INSTRUMENT APPROACH PROCEDURE CHARTS

IFR TAKE-OFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

Civil Airports and Selected Military Airports

ALL USERS: Airports that have Departure Procedures (DPs) designed specifically to assist pilots in avoiding obstacles during the climb to the minimum enroute altitude , and/or airports that have civil IFR take-off minimums other than standard, are listed below. Take-off Minimums and Departure Procedures apply to all runways unless otherwise specified. Altitudes, unless otherwise indicated, are minimum altitudes in MSL.

DPs specifically designed for obstacle avoidance are referred to as Obstacle Departure Procedures (ODPs) and are described below in text, or published separately as a graphic procedure. If the (Obstacle) DP is published as a graphic procedure, its name will be listed below, and it can be found in either this volume (civil), or a separate Departure Procedure volume (military), as appropriate. Users will recognize graphic obstacle DPs by the term "(OBSTACLE)" included in the procedure title; e.g., TETON TWO (OBSTACLE). If not assigned a SID or radar vector by ATC, an ODP may be flown without ATC clearance to ensure obstacle clearance.

Graphic DPs designed by ATC to standardize traffic flows, ensure aircraft separation and enhance capacity are referred to as "Standard Instrument Departures (SIDs)". SIDs also provide obstacle clearance and are published under the appropriate airport section. ATC clearance must be received prior to flying a SID.

CIVIL USERS NOTE: Title 14 Code of Federal Regulations Part 91 prescribes standard take-off rules and establishes take-off minimums for certain operators as follows: (1) Aircraft having two engines or less - one statute mile. (2) Aircraft having more than two engines - one-half statute mile. These standard minima apply in the absence of any different minima listed below.

MILITARY USERS NOTE: Civil (nonstandard) take-off minima are published below. For military take-off minima, refer to appropriate service directives.

NAME TAKE-OFF MINIMUMS

BABELTHUAP, KOROR, PS

BABELTHUAP/KOROR (ROR)
AMDT 1 09015 (FAA)
TAKE-OFF MINIMUMS: **Rwy 27**, 400-1 or std. with a min. climb of 296' per NM to 500.
DEPARTURE PROCEDURE: **Rwy 9**, climb runway heading to 700 then as cleared.

DALAP, RM

MARSHALL ISLANDS INTL (MAJ)
ORIG 10098 (FAA)
NOTE: **Rwy 7,** antenna on building 215' from DER, 446' left of centerline, 48' AGL/54' MSL. Obstruction light on AMOM 44' from DER, 269' left of centerline, 33' AGL/39' MSL. Obstruction light on WSK 10' from DER, 245' right of centerline, 23' AGL/29' MSL. Tree 934' from DER, 243' left of centerline, 39' AGL/45' MSL. Bush 555' from DER, 187' right of centerline, 17' AGL/23' MSL. **Rwy 25,** obstruction light on WSK 11' from DER, 246' left of centerline, 23' AGL/29' MSL. Post 51' from DER, 252' right of centerline, 8' AGL/14' MSL. Tree 996' from DER, 39' left of centerline, 31' AGL/37' MSL. Tree 563' from DER, 5' right of centerline, 20' AGL/26' MSL. Bushes beginning 207' from DER, from 124' left to 207' right of centerline, up to 14' AGL/20' MSL. Vehicle on roadway 130' from DER, 241' right of centerline, 15' AGL/20' MSL.

NAME TAKE-OFF MINIMUMS

GUAM, GQ

GUAM INTL (GUM)
ORIG -A 09071 (FAA)
TAKE-OFF MINIMUMS: **Rwys 6L, 6R,** 500-1 or std. with a min. climb 360' per NM to 800. **Rwys 24L, 24R,** 500-1 or std. with a min. climb of 300' per NM to 1400.
DEPARTURE PROCEDURE: **Rwys 6L, 6R,** climb runway heading to 800 before turning. **Rwys 24L, 24R** climb runway heading to 1400 before turning.

HANA, HI

HANA (HNM)
ORIG 05244 (FAA)
DEPARTURE PROCEDURE: Use LINDBERG DEPARTURE.

HILO, HI

HILO INTL (ITO)
AMDT 6 05356 (FAA)
DEPARTURE PROCEDURE: Use PARIS DEPARTURE.

HONOLULU, HI

HONOLULU INTL (HNL)
AMDT 7 85269 (FAA)
DEPARTURE PROCEDURE: use HONOLULU DEPARTURE.

KAHULUI, HI

KAHULUI (OGG)
AMDT 6 09015 (FAA)

TAKE-OFF MINIMUMS: **Rwy 23,** NA-ATC.

DEPARTURE PROCEDURE: **Rwy 2,** climb on a heading between 310° CW to 053° from departure end of runway. **Rwy 5,** climb on a heading betwen 307° CW to 040° from departure end of runway. **Rwy 20,** climb on a heading of 185° from departure end of runway.

NOTE: **Rwy 2,** bush/trees beginning 190' from departure end of runway, 362' left of centerline, up to 60' AGL/79' MSL. Pipe on building 339' from departure end of runway, 289' right of centerline, 20' AGL/25' MSL. Bush beginning 902' from departure end of runway, 637' right of centerline, up to 20' AGL/39' MSL. **Rwy 5,** trees 2359' from departure end of runway, 512' left of centerline, 56' AGL/75' MSL. Fence beginning 20' from departure end of runway, 299' right of centerline, up to 7' AGL/31' MSL. Bush/trees beginning 291' from departure end of runway, 300' right of centerline, up to 76' AGL/95' MSL. **Rwy 20,** bush 22' from departure end of runway, 236' right of centerline, 2' AGL/55' MSL. Bush/trees beginning 24' from departure end of runway, 173' left of centerline, up to 29' AGL/68' MSL.

KAILUA-KONA, HI

KONA INTL AT KEAHOLE

DEPARTURE PROCEDURE: **Rwy 17**, northwest-bound climb runway heading to 500 then climbing right turn to assigned route; eastbound climb runway heading to 500 them climbing right turn, heading 360°, to 2000, then climb via V3. **Rwy 35**, northwestbound climb runway heading to 500 then climbing left turn to assigned route; eastbound climb runway heading to 2000 then climb via V3.

KAMUELA, HI

WAIMEA-KOHALA (MUE)
AMDT 1 05076 (FAA)

TAKE-OFF MINIMUMS: **Rwy 4,** 400-2 or std. with a min. climb of 240' per NM to 3100.

DEPARTURE PROCEDURE: **Rwy 4,** climb via heading 041° to 3100 then climbing right turn via heading 080° and MUE VOR/DME R-057 to 6000 to VELLA INT, then as assigned. **Rwy 22,** climb via heading 233° and MUE VOR/DME R-234 to 5000 to JASON INT, then as assigned.

NOTE: **Rwy 4,** windsock 158' from departure end of runway, 299' right of centerline, 25' AGL/2702' MSL. Fence 2754' from departure end of runway, 323' right of centerline, 12' AGL/2741' MSL. Tree 5200' from departure end of runway, 179' right of centerline, 50' AGL/2817' MSL. Tree 5331' from departure end of runway, 110' left of centerline, 50' AGL/2829' MSL. Tree 1.3 NM from departure end of runway, 739' right of centerline, 50' AGL/2864' MSL. Tree 1.3 NM from departure end of runway, 1741' left of centerline, 50' AGL/2889' MSL. Antenna 1.8 NM from departure end of runway, 1094' left of centerline 152' AGL/2992' MSL. Rising terrain beginning 1.5 NM from departure end of runway, 3.9 NM left of centerline, up to 13796' MSL. **Rwy 22,** cactus at departure end of runway, 191' left of centerline, 10' AGL/2668' MSL. Tree at departure end of runway, 353' right of centerline, 50' AGL/2687' MSL. Bush 673' from departure end of runway, 186' left of centerline, 30' AGL/2673' MSL. Pole 1058' from departure end of runway, 124' left of centerline, 20' AGL/2683' MSL. Rapidly rising terrain beginning 1.5 NM from departure end of runway, 4209' left of centerline, up to 5513' MSL.

KAPOLEI, OAHU ISLAND, HI

KALAELOA (JOHN RODGERS FIELD) (JRF)
ORIG 09295 (FAA)

DEPARTURE PROCEDURE: DME Required. **Rwys 4L, 4R, 11,** climb heading 200° to intercept HNL VORTAC R-241 to GECKO/HNL 22.4 DME before proceeding on course. **Rwys 22L, 22R,** climb heading 224° to intercept HNL VORTAC R-241 to GECKO/HNL 22.4 DME before proceeding on course. **Rwy 29,** climb heading 210° to intercept HNL VORTAC R-241 to GECKO/HNL 22.4 DME before proceeding on course.

NOTE: **Rwy 11,** tree 1533' from DER, 831' left of centerline, 60' AGL/70' MSL. **Rwy 22L,** vehicles on road 305' from DER, 195' left of centerline, 15' AGL/26' MSL. **Rwy 29,** tree 1794' from DER, 573' left of centerline, 60' AGL/99' MSL.

KAUNAKAKAI, HI

MOLOKAI (MKK)

AMDT 5 05300 (FAA)

TAKE-OFF MINIMUMS: **Rwy 5,** std. with a min. climb of 395' per NM to 1600 or 1900-2½ for climb in visual conditions. **Rwy 23,** std. with a min. climb of 446' per NM to 1600 or 1900-2½ for climb in visual conditions. **Rwy 35,** 200-1 or std. with a min. climb of 441' per NM to 800.

DEPARTURE PROCEDURE: **Rwy 5,** climb via heading 040° to 1500 then climbing left turn direct MKK VORTAC, or climb in visual conditions to cross Molokai Airport southwestbound at or above 1800 via the MKK R-067 to MKK VORTAC, thence...

Rwy 17, climb via heading 169° to 1500 then climbing right turn direct MKK VORTAC, thence...

Rwy 23, climbing left turn via heading 170° to 1700 then climbing right turn direct MKK VORTAC or climb in visual conditions to cross Molokai Airport southwestbound at or above 1800 via the MKK R-067 to MKK VORTAC, thence...

Rwy 35, climb via heading 349° to 1500 then climbing left turn direct MKK VORTAC, thence...

...climb in MKK VORTAC holding pattern (hold NE, right turn, 236° inbound) to cross MKK at or above MCA/MEA for route of flight.

NOTE: **Rwy 5,** pole 2254' from departure end of runway, 222' right of centerline, 45' AGL/565' MSL, tree 1.12 NM from departure end of runway, 720' right of centerline, 50' AGL/675' MSL. Fenceline beginning 147' from departure end of runway, 177' left of centerline, up to 12' AGL/471' MSL. Multiple trees and bushes beginning 50' from departure end of runway, 273' left of centerline, up to 50' AGL/551' MSL. Obstruction light 1366' from departure end of runway, 79' right of centerline, 30'AGL/528' MSL. Multiple poles beginning3065' from departure end of runway, 644' left of centerline, up to 45' AGL/623' MSL. Multiple trees beginning 4155' from departure end of runway, 184' right of centerline, up to 50' AGL/714' MSL. **Rwy 23,** tree 2.44 NM from departure end of runway, 747' right of centerline, 100' AGL/1264' MSL. Tree 2.82 NM from departure end of runway, 1753' right of centerline, 60' AGL/819' MSL. Tree 2.73 NM from departure end of runway, 2001' left of centerline, 60' AGL/919' MSL. Tree 2.03 NM from departure end of runway, 2006' left of centerline, 100' AGL/919' MSL. Pole 8021' from departure end of runway, 867' left of centerline, 42' AGL/642' MSL. **Rwy 35,** tree 2990' from departure end of runway, 1030' right of centerline, 50' AGL/648' MSL. Tree 3033' from departure end of runway, 740' right of centerline, 50' AGL/637' MSL. Tree 2497' from departure end of runway, 1106' right of centerline, 50' AGL/615' MSL. Tree 3835' from departure end of runway, 76' right of centerline, 50' AGL/620' MSL. Tree 3041' from departure end of runway, 728' right of centerline, 50' AGL/600' MSL. Tree 3569' from departure end of runway, 116' right of centerline, 50' AGL/596' MSL. Bush 28' from departure end of runway, 289' left of centerline, 15' AGL/461' MSL. Multiple bushes and trees 48' from departure end of runway, 48' right of centerline, up to 200' AGL/648' MSL. Multiple bushes and trees 28' from departure end of runway, 34' left of centerline up to 41' AGL/489' MSL. Multiple bushes beginning 107' from departure end of runway, 133' right of centerline, up to 15' AGL/492' MSL. Multiple bushes beginning 133' from departure end of runway, 43' left of centerline, up to 15' AGL/517' MSL. Road/vehicle 200' from departure end of runway, 62' right of centerline, 15' AGL/487' MSL. Pole 1.32 NM from departure end of runway, 867' left of centerline, 42' AGL/642' MSL.

KOSRAE, FM

KOSRAE (TTK)

ORIG-A 09071 (FAA)

CAUTION: Ships with masts to 200' traverse harbor entrance located on west side of runway.

DEPARTURE PROCEDURE: **Rwy 5**, left turn. **Rwy 23,** right turn, climb to 2000 or above before turning east.

LANAI CITY, HI

LANAI (LNY)

AMDT 5 09239(FAA)

TAKE-OFF MINIMUMS: **Rwy 3**, 400-1 or std. w/ min. climb of 370' per NM to 2700 or 2500-3 for climb in visual conditions.

DEPARTURE PROCEDURE: **Rwy 3,** climb heading 033° to 1720 before turning left. Climb heading 300° or 180° to intercept route or airway, then continue as cleared. Maintain maximum 210 kts until turn is completed or for climb in visual conditions cross LNY VORTAC eastbound at or above 3700. **Rwy 21,** climb heading 213° to assigned altitude. Eastbound - climb westbound to cross LNY VORTAC eastbound at or above 2700 and climb as cleared. Westbound - climb direct LNY VORTAC then via assigned route.

NOTE: **Rwy 3,** multiple poles, trees, and terrain beginning 2108' from DER, 1011' left of centerline, up to 200' AGL/2202' MSL. **Rwy 21,** lighted windsock 8' from DER, 191' right of centerline, 30' AGL/1323' MSL.

LIHUE, HI

LIHUE (LIH)

AMDT 8 00279 (FAA)

TAKE-OFF MINIMUMS: **Rwy 21**, 2400-3. Use DIANE DEPARTURE PROCEDURE.

DEPARTURE PROCEDURE: **Rwys 3**, **35,** to V15, climb runway heading to 500 then climbing right turn, heading 125°, then as assigned. **Rwy 17,** to V15, climb runway heading to 500 then climbing left turn, heading 045°, then as assigned. To LIH-150 climb runway heading to 500 then climbing left turn, heading 120°, then as assigned. **Rwy 21**, to V15, climb runway heading to 550 then climbing left turn, heading 090°, to intercept LIH R-110, maintain 5000, direct BOOKE INT or as assigned. To LIH-148, climb runway heading to 550, then climbing left turn, heading 120°, to intercept LIH R-148, maintain 3000, direct NAPUA INT or as assigned.

POHNPEI ISLAND, FM

POHNPEI INTL (PNI)

AMDT 2 80079 (FAA)

TAKE-OFF MINIMUMS: **Rwys 9, 27**, 400-1½.

DEPARTURE PROCEDURE: **Rwy 9**, climb runway heading to 500 then left turn for north or west departure. **Rwy 27**, climb runway heading to 500 then right turn for north or east departure. Climb runway heading to 1500 before turning for south departure.

CAUTION: Ships with superstructure to 150', traverse Ponape channel, 400' off approach end of Rwy 9, closing airport at times.

SAIPAN, CQ

FRANCISCO C. ADA/SAIPAN INTL (GSN)
ORIG-A 09071 (FAA)
DEPARTURE PROCEDURE: **Rwys 7, 25**, climb on runway heading to 1600 before climbing on course.

ROTA INTL (GRO)
AMDT 1A 09071 (FAA)
DEPARTURE PROCEDURE: **Rwy 9**, climb runway heading to 1000 before turning. **Rwy 27**, climb runway heading to 2000 or above before turning south.

TINIAN ISLAND, CQ

TINIAN INTL (TNI)
AMDT 1 09239 (FAA)
NOTE: **Rwy 8,** trees beginning 694' from DER, 507' left of centerline, up to 100' AGL/363' MSL. Multiple trees beginning 569' from DER, 471' right of centerline, up to 100' AGL/389' MSL. **Rwy 26,** multiple trees beginning 743' from DER, 508' right of centerline, up to 100' AGL/363' MSL.

TUTUILA, AQ

PAGO PAGO INTL (PPG)
ORIG-A 09071 (FAA)
TAKE-OFF MINIMUMS: **Rwy 23**, std. w/ min. climb of 320' per NM to 800, or 2700-3 for climb in visual conditions. **Rwy 26,** NA-obstacles.
DEPARTURE PROCEDURE: **Rwys 5, 8,** climbing right turn southbound between TUT R-090 clockwise to R-180 to 2800, then proceed on course. **Rwy 23,** climbing left turn heading 150° southbound between TUT R-090 clockwise to R-180 to 2800, then proceed on course. For climb in visual conditions: cross Pago Pago Intl Airport at or above 2600 before proceeding on course.
NOTE: **Rwy 5,** bush 1' from departure end of runway, 237' right of centerline, 3' AGL/12' MSL. Bush 379' from departure end of runway, 362' left of centerline, 14' AGL/23' MSL. Ship 998' from departure end of runway, 57' right of centerline, 150' AGL/150' MSL. **Rwy 8,** bush 689' from departure end of runway, 360' left of centelrine, 15' AGL/23' MSL. Ship 1435' from departure end of runway, 304' left of centerline, 150' AGL/150' MSL. **Rwy 23,** multiple trees beginning 352' from departure end of runway, 173' left of centerline, up to 20' AGL/132' MSL. Multiple trees beginning 881' from departure end of runway, 296' right of centerline, up to 20' AGL/172' MSL. Multiple trees and poles beginning 1.6 NM from departure end of runway, 38' right of centerline, up to 367' AGL/554' MSL. Tree 2.3 NM from departure end of runway, 2126' left of centerline, 20' AGL/387' MSL.

WENO ISLAND, FM

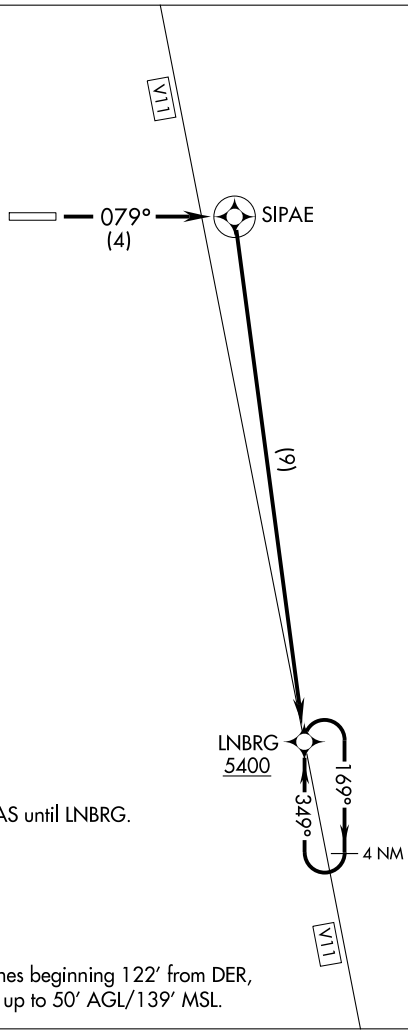
CHUUK INTL (TKK)
AMDT 2 10042(FAA)
DEPARTURE PROCEDURE: **Rwy 4**, climb heading 041° to 1100 before proceeding on course. **Rwy 22**, climb heading 221° to 1500 before proceeding on course.
NOTE: **Rwy 4,** bush 205' from DER, 203' right of centerline, 7' AGL/17' MSL. **Rwy 22,** bush 5' from DER, 241' right of centerline, 14' AGL/24' MSL. Bush 221' from DER, 85' right of centerline, 7' AGL/17' MSL. **CAUTION:** Ships with superstructure to 150' traverse channels west of runway 4/22.

YAP ISLAND, FM

YAP INTL (T11)
AMDT 2 94342 (FAA)
DEPARTURE PROCEDURE: **Rwys 7,** climbing right turn to 1500 via 090° bearing from YP NDB/DME, then climb on course. **Rwy 25,** climb to 500, then climb on course.

LINDBERG ONE DEPARTURE (OBSTACLE) (RNAV)

HCF APPROACH
126.0 278.3
CLNC DEL 122.3
CTAF 122.9



NOTE: RNAV 1.

NOTE: GPS required.

NOTE: Do not exceed 200 KIAS until LNBRG.

TAKE-OFF MINIMUMS
Rwy 26: NA.
Rwy 8: Standard.

TAKE-OFF OBSTACLE NOTE
Rwy 8: Multiple trees and bushes beginning 122′ from DER, 75′ right of centerline, up to 50′ AGL/139′ MSL.

NOTE: Chart not to scale

DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RUNWAY 8: Climb via 079° course to SIPAE, then right turn direct LNBRG, thence. . . .

. . . .climb in holding (if required) to cross LNBRG at or above 5400 before proceeding via assigned route.

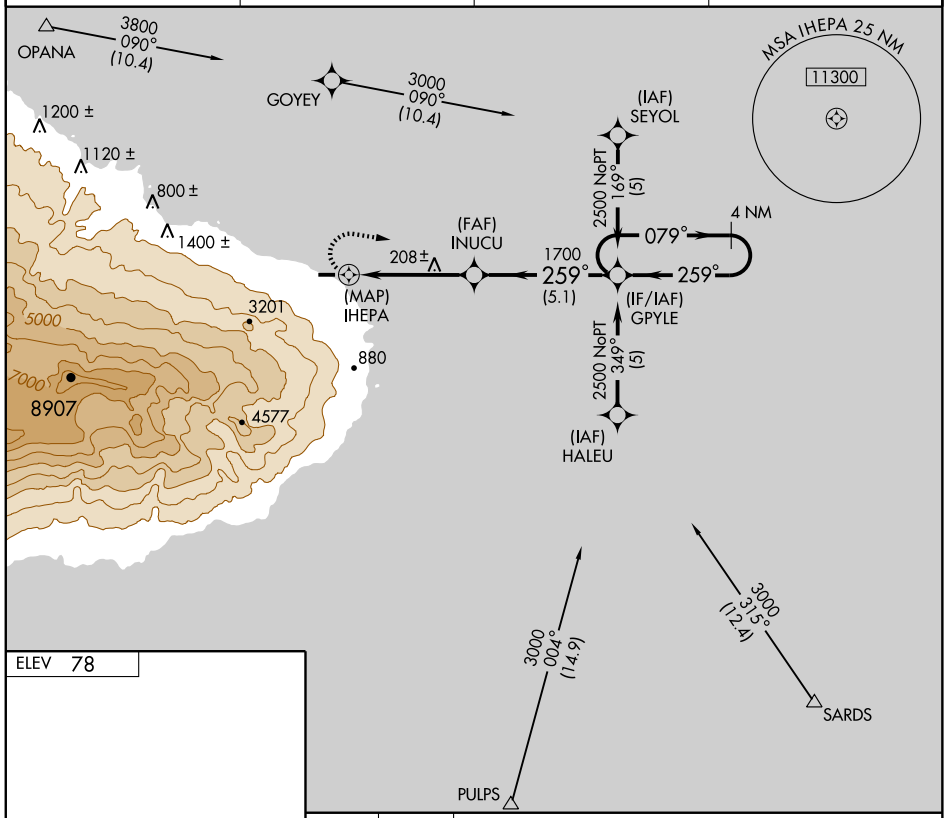
APP CRS	Rwy ldg	3606
259°	TDZE	70
	Apt Elev	78

# RNAV (GPS) RWY 26
HANA(HNM)(PHHN)

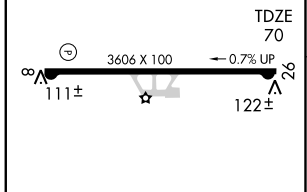
Circling NA S of Rwy 8-26.
DME/DME RNP-0.3 NA.
Procedure NA at night.

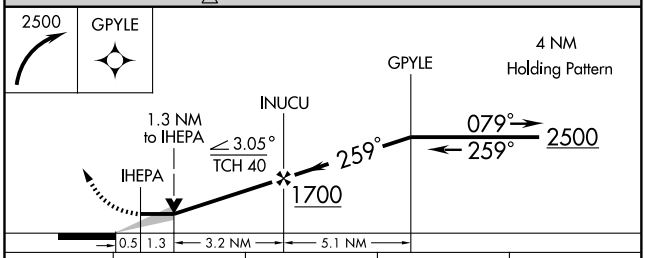
MISSED APPROACH: Climbing right turn to 2500 direct GPYLE and hold.

AWOS-3	HCF APPROACH	CLNC DEL	CTAF
118.325	126.0 278.3	122.3	122.9 L



ELEV 78





CATEGORY	A	B	C	D
LNAV MDA	660-1 590 (600-1)		NA	NA
CIRCLING	660-1 582 (600-1)	760-1 682 (700-1)	NA	NA

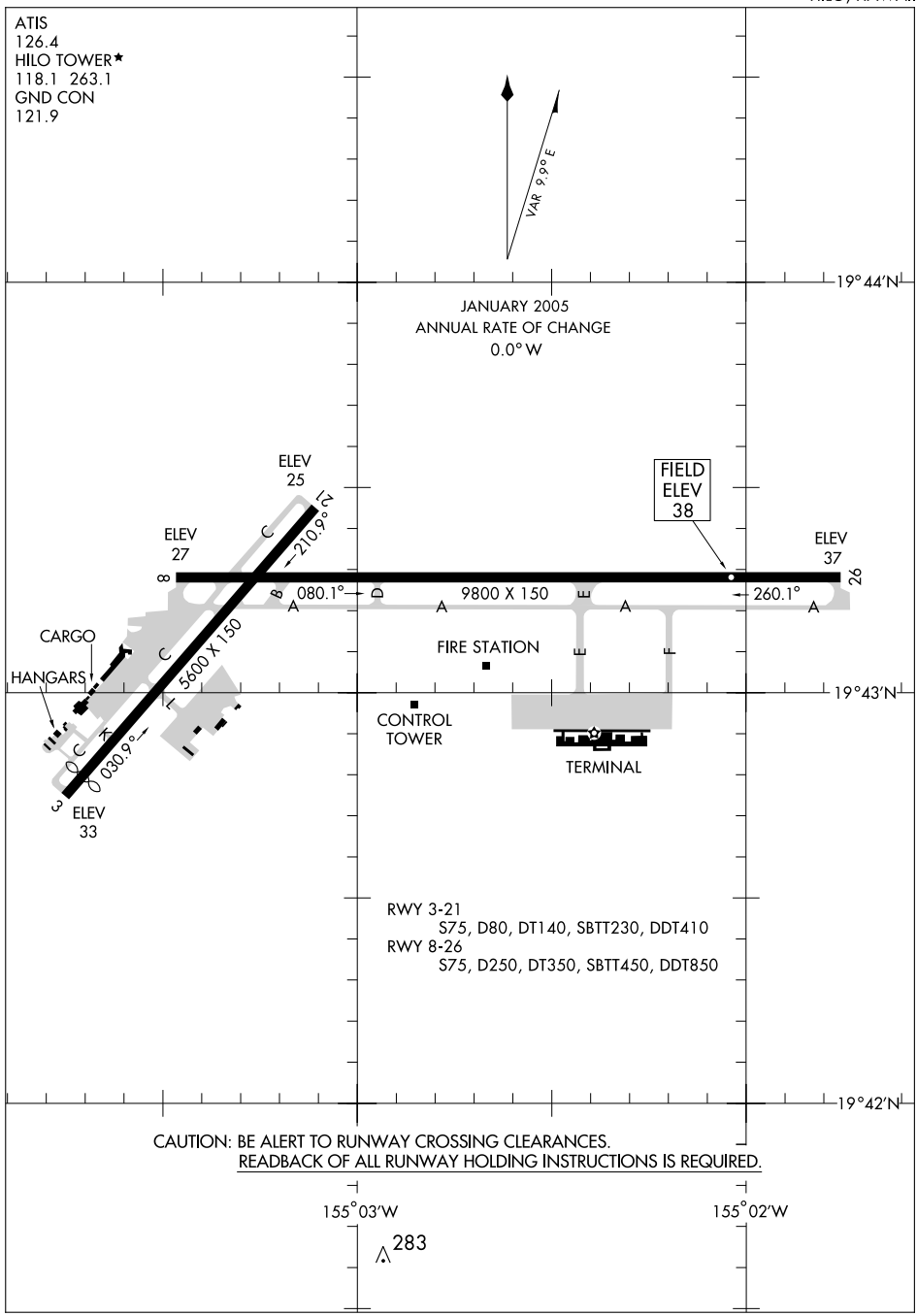
MIRL Rwy 8-26 L

AIRPORT DIAGRAM

AL-756 (FAA)

HILO INTL (ITO)(PHTO)

HILO, HAWAII



PAC, 03 JUN 2010 to 29 JUL 2010

LOC/DME I-ITO	APP CRS	Rwy ldg	9800
110.7	259°	TDZE	38
Chan 44		Apt Elev	38

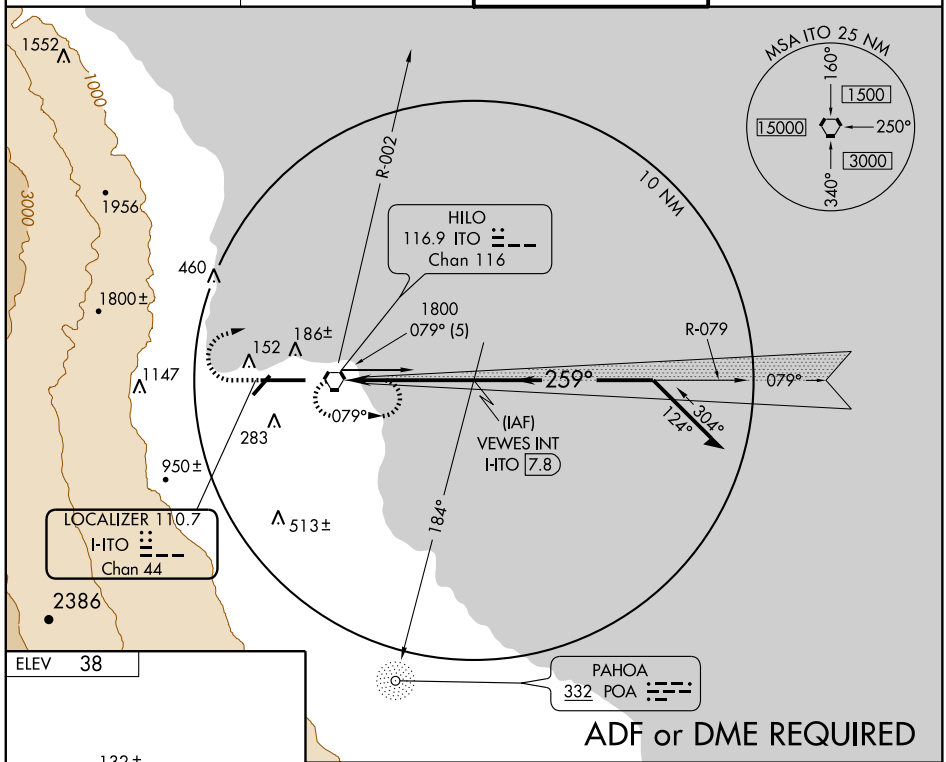
ILS or LOC RWY 26
HILO INTL (ITO) (PHTO)

Circling not authorized south of Rwy 8-26. For inoperative MALSR increase S-LOC 26 vis to 1 mile all Cats. Inoperative table does not apply to S-ILS 26. ADF or DME required.

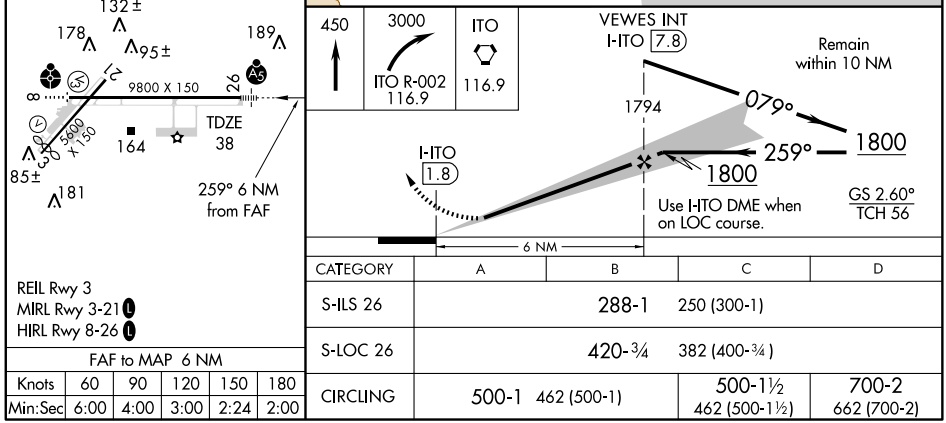
MALSR

MISSED APPROACH: Climb to 450 then climbing right turn to 3000 via ITO R-002 then direct ITO VORTAC and hold.

ATIS	HILO APP CON	HILO TOWER★	GND CON
126.4	119.7 269.2	118.1(CTAF) L 263.1	121.9



ADF or DME REQUIRED



REIL Rwy 3
MIRL Rwy 3-21 L
HIRL Rwy 8-26 L

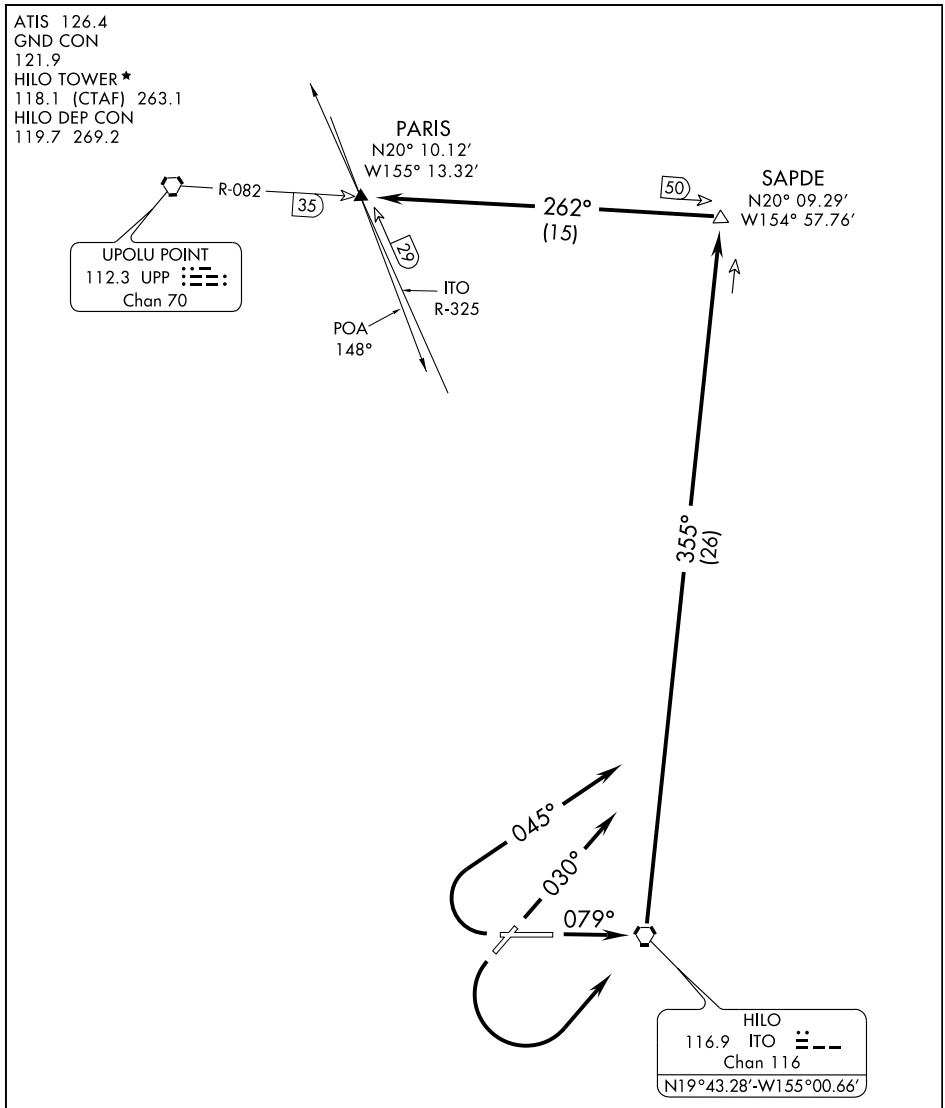
FAF to MAP 6 NM					
Knots	60	90	120	150	180
Min:Sec	6:00	4:00	3:00	2:24	2:00

CATEGORY	A	B	C	D
S-ILS 26	288-1	250 (300-1)		
S-LOC 26	420-¾	382 (400-¾)		
CIRCLING	500-1 462 (500-1)		500-1½ 462 (500-1½)	700-2 662 (700-2)

PAC, 03 JUN 2010 to 29 JUL 2010

PARIS FOUR DEPARTURE (OBSTACLE)

HILO INTL (ITO)(PHTO)
HILO, HAWAII



TAKE OFF MINIMUMS:

Rwy 3, 8: STANDARD

Rwy 21: Standard with minimum climb of 310′ per NM to 1100 or 1300-2½ for climb in visual conditions.

Rwy 26: Standard with minimum climb of 385′ per NM to 2900 or 1300-2½ for climb in visual conditions.

NOTE: Chart not to scale.

(NARRATIVE ON FOLLOWING PAGE)

PARIS FOUR DEPARTURE (OBSTACLE)

DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RUNWAY 3: Climb heading 030° and ITO R-355 to SAPDE INT, thence....

TAKE-OFF RUNWAY 8: Climb heading 079° to ITO VORTAC and ITO R-355 to SAPDE INT, thence....

TAKE-OFF RUNWAY 21: Climbing left turn direct ITO VORTAC and ITO R-355 to SAPDE INT, or climb in visual conditions to cross ITO VORTAC northbound at or above 1200 MSL, then via R-355 to SAPDE INT, thence....

TAKE-OFF RUNWAY 26: Climbing right turn via heading 045° and ITO R-355 to SAPDE INT, or climb in visual conditions to cross ITO VORTAC northbound at or above 1200 MSL, then via R-355 to SAPDE INT, thence....

....proceed via UPP R-082 to PARIS INT.

TAKE OFF OBSTACLE NOTES

Rwy 3: Numerous trees and WSK beginning 395′ from DER, 68′ left of centerline, up to 86′ AGL/115′ MSL.
Numerous trees beginning 325′ from DER, 137′ right of centerline, up to 66′ AGL/95′ MSL.

Rwy 8: Tree 1198′ from DER, 480′ left of centerline, 37′ AGL/70′ MSL.
Numerous trees beginning 414′ from DER, 328′ right of centerline, up to 46′ AGL/79′ MSL.

Rwy 21: Numerous trees and poles beginning 1077′ from DER, 272′ left of centerline, up to 70′ AGL/490′ MSL.
Numerous trees and poles beginning 236′ from DER, 43′ right of centerline, up to 83′ AGL/362′ MSL.
Vehicles on road beginning 234′ from DER, 260′ left of centerline, 15′ AGL/58′ MSL.

Rwy 26: Numerous vehicles beginning 6′ from DER, 452′ right of centerline, up to 15′ AGL/39′ MSL.
Numerous trees and light poles beginning 542′ from DER, 471′ left of centerline, up to 86′ AGL/92′ MSL.
Numerous trees beginning 1645′ from DER, 266′ right of centerline, up to 93′ AGL/119′ MSL.
Windsock 3′ from DER, 269′ right of centerline, 19′ AGL/46′ MSL.
Radar reflector 373′ from DER, 346′ right of centerline, 10′ AGL/37′ MSL.

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APP CRS	Rwy ldg	5600
210°	TDZE	31
	Apt Elev	38

RNAV (GPS) RWY 21

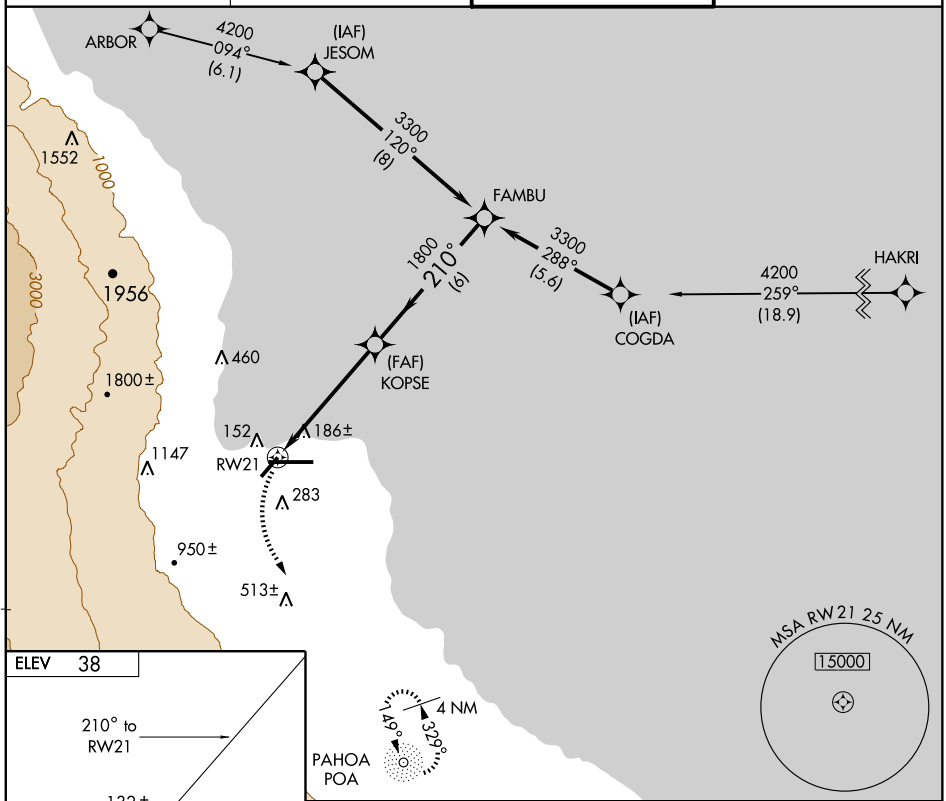
HILO INTL (ITO) (PHTO)

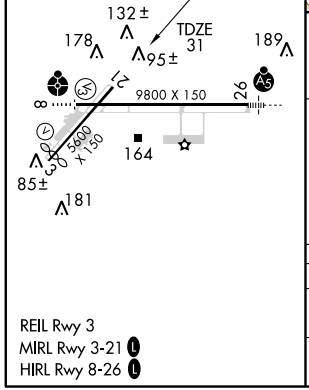
NA

Circling not authorized south of Rwy 8-26.

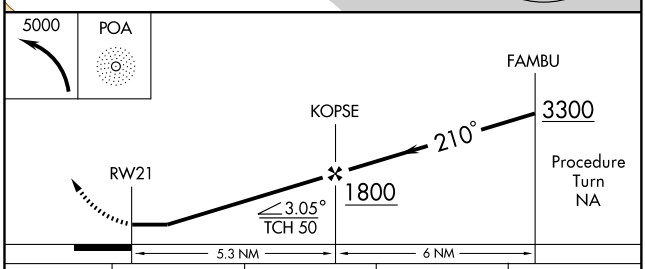
MISSED APPROACH: Climbing left turn to 5000 direct POA NDB and hold.

ATIS	HILO APP CON	HILO TOWER *	GND CON
126.4	119.7 269.2	118.1 (CTAF) L 263.1	121.9





REIL Rwy 3
MIRL Rwy 3-21 L
HIRL Rwy 8-26 L



CATEGORY	A	B	C	D
LNAV MDA	440-1 409 (500-1)		440-1¼ 409 (500-1¼)	
CIRCLING	500-1 462 (500-1)		500-1½ 462 (500-1½)	700-2 662 (700-2)

APP CRS	Rwy ldg	9800
259°	TDZE	38
	Apt Elev	38

RNAV (GPS) RWY 26
HILO INTL (ITO) (PHTO)

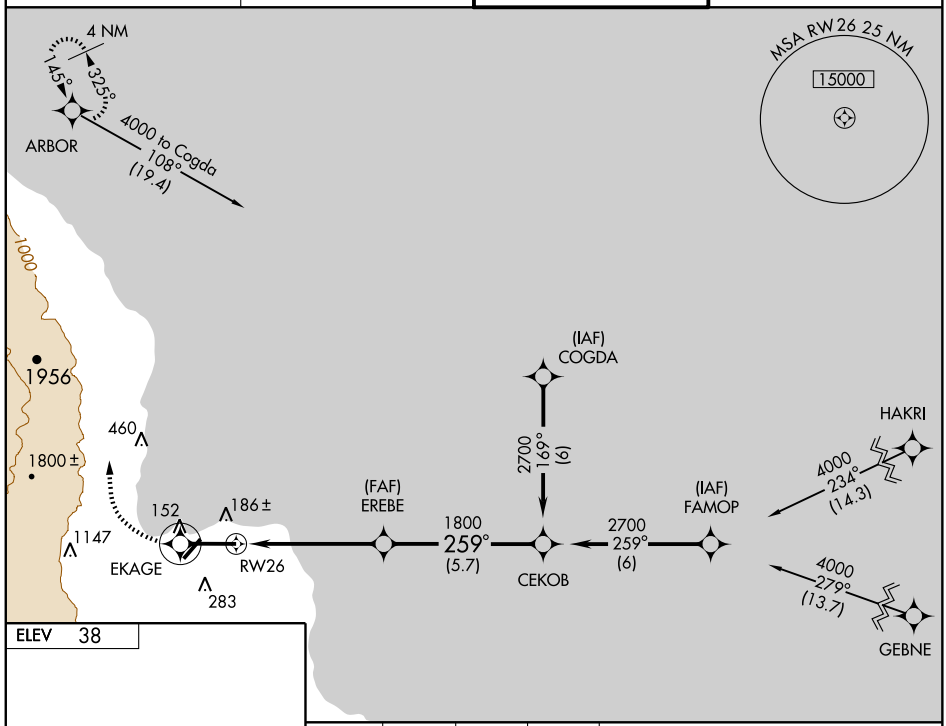
T NA

Circling not authorized south of Rwy 8-26.
For inoperative MALSR increase LNAV Cat A, B & D ¼ mile.
Baro-VNAV NA below -5°C (23°F).
GPS or RNP-0.3 Required. DME/DME RNP-0.3 NA.
WAAS VNAV NA.

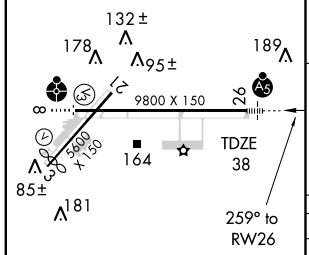
MALSR

MISSED APPROACH: Climb to 5000 direct EKAGE WP then right turn direct ARBOR WP and hold.

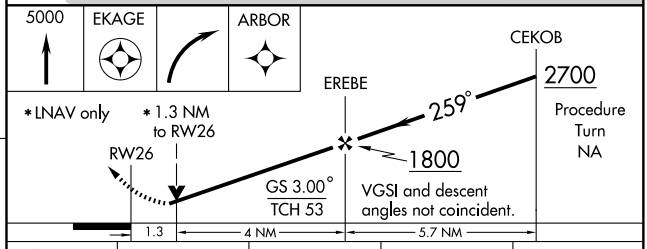
ATIS	HILO APP CON	HILO TOWER *	GND CON
126.4	119.7 269.2	118.1 (CTAF) L 263.1	121.9



ELEV 38



REIL Rwy 3
MIRL Rwy 3-21 L
HIRL Rwy 8-26 L



CATEGORY	A	B	C	D
GLS PA DA	NA			
LNAV/VNAV DA	440-1 402 (500-1)			
LNAV MDA	440-¾ 402 (500-¾)			440-1 402 (500-1)
CIRCLING	500-1½ 462 (500-1½)			700-2 662 (700-2)

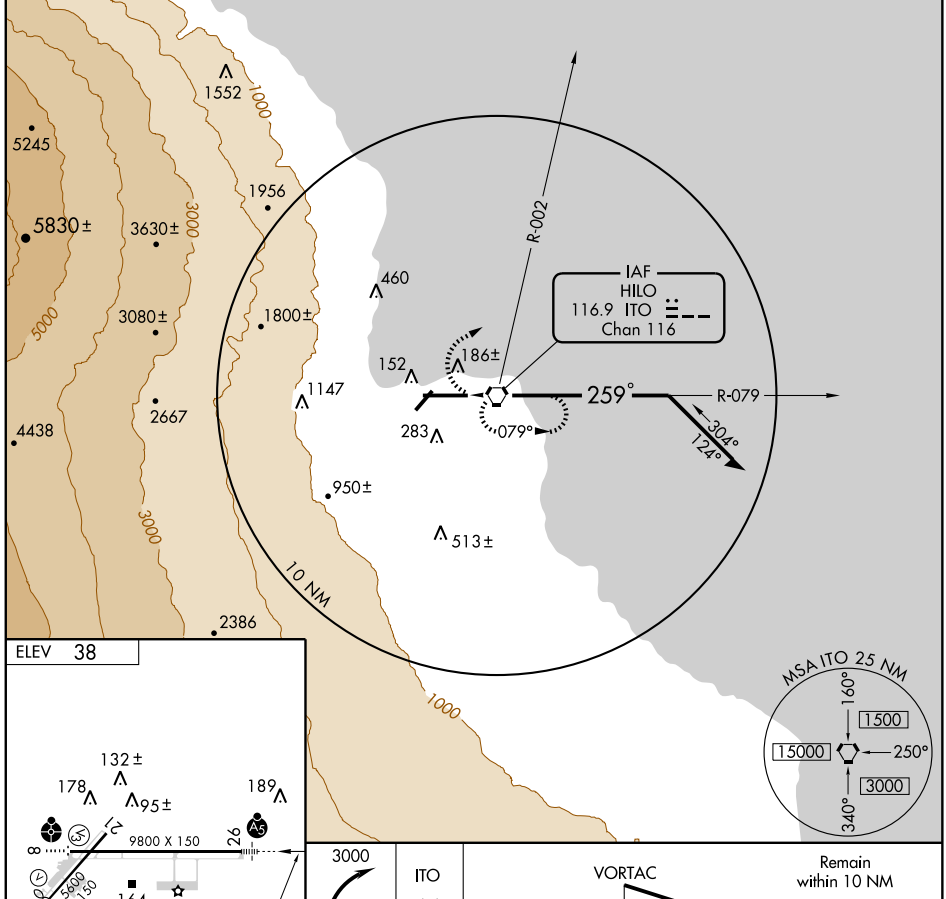
VORTAC ITO 116.9 Chan 116	APP CRS 259°	Rwy ldg N/A TDZE N/A Apt Elev 38

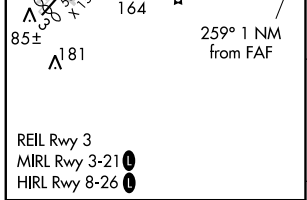
VOR-B
HILO INTL (ITO) (PHTO)

Circling not authorized south of Rwy 8-26.

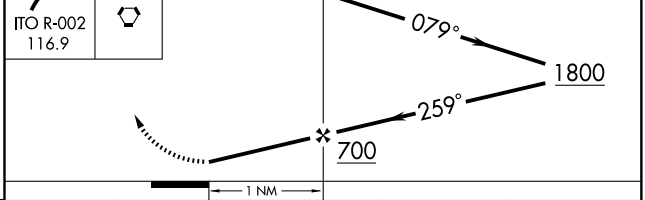
MISSED APPROACH: Climbing right turn to 3000 via ITO R-002 then direct to ITO VORTAC and hold.

ATIS	HILO APP CON	HILO TOWER ★	GND CON
126.4	119.7 269.2	118.1 (CTAF) L 263.1	121.9





REIL Rwy 3
MIRL Rwy 3-21 L
HIRL Rwy 8-26 L



FAF to MAP 1 NM					
Knots	60	90	120	150	180
Min:Sec	1:00	0:40	0:30	0:24	0:20

CATEGORY	A	B	C	D
CIRCLING	500-1 462 (500-1)		500-1½ 462 (500-1½)	700-2 662 (700-2)

PAC, 03 JUN 2010 to 29 JUL 2010

VORTAC ITO 116.9 Chan 116	APP CRS 145°	Rwy ldg N/A TDZE N/A Apt Elev 38

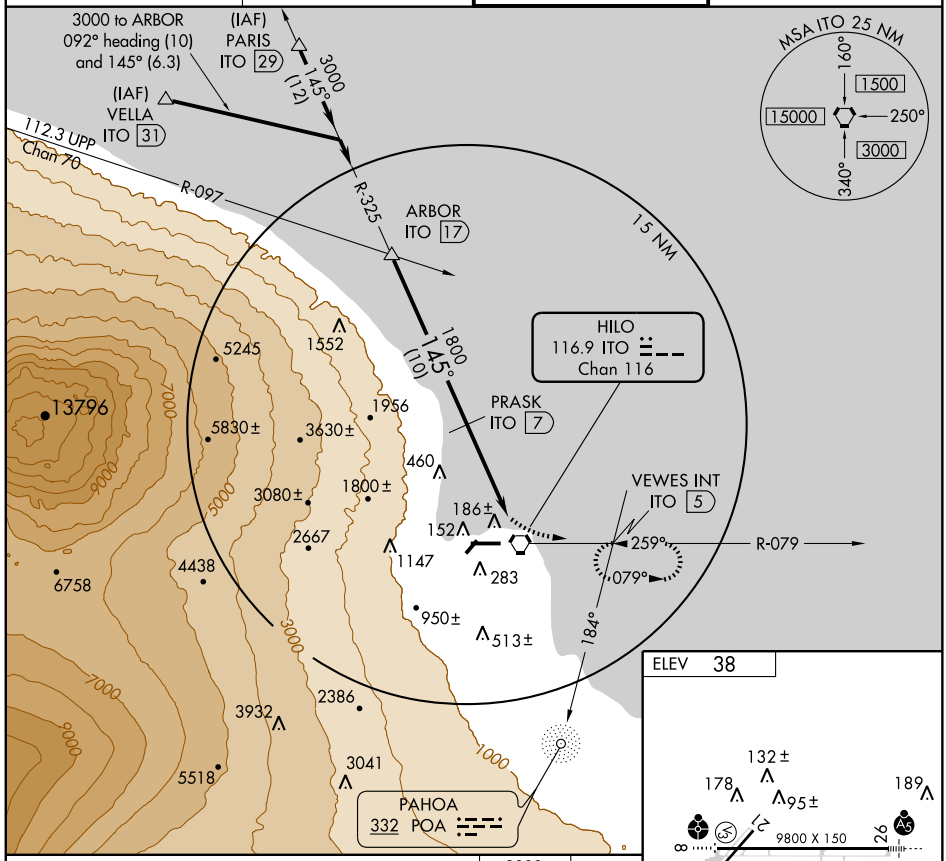
VOR/DME or TACAN-A

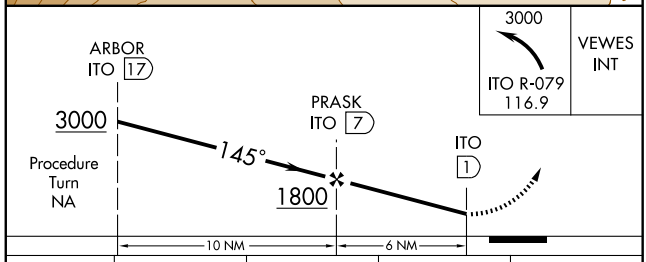
HILO INTL (ITO) (PHTO)

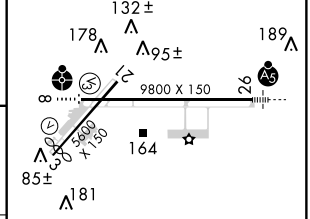
Circling not authorized south of Rwy 8-26.

MISSED APPROACH: Climbing left turn to 3000 via ITO R-079 to VEWES/5 DME and hold.

ATIS	HILO APP CON	HILO TOWER ★	GND CON
126.4	119.7 269.2	118.1 (CTAF) L 263.1	121.9







CATEGORY	A	B	C	D
CIRCLING	500-1½ 462 (500-1½)			700-2 662 (700-2)

REIL Rwy 3
MIRL Rwy 3-21 L
HIRL Rwy 8-26 L

PAC. 03 JUN 2010 to 29 JUL 2010

HILO, HAWAII

AL-756 (FAA)

VOR/DME or TACAN RWY 26

HILO INTL (ITO) (PHTO)

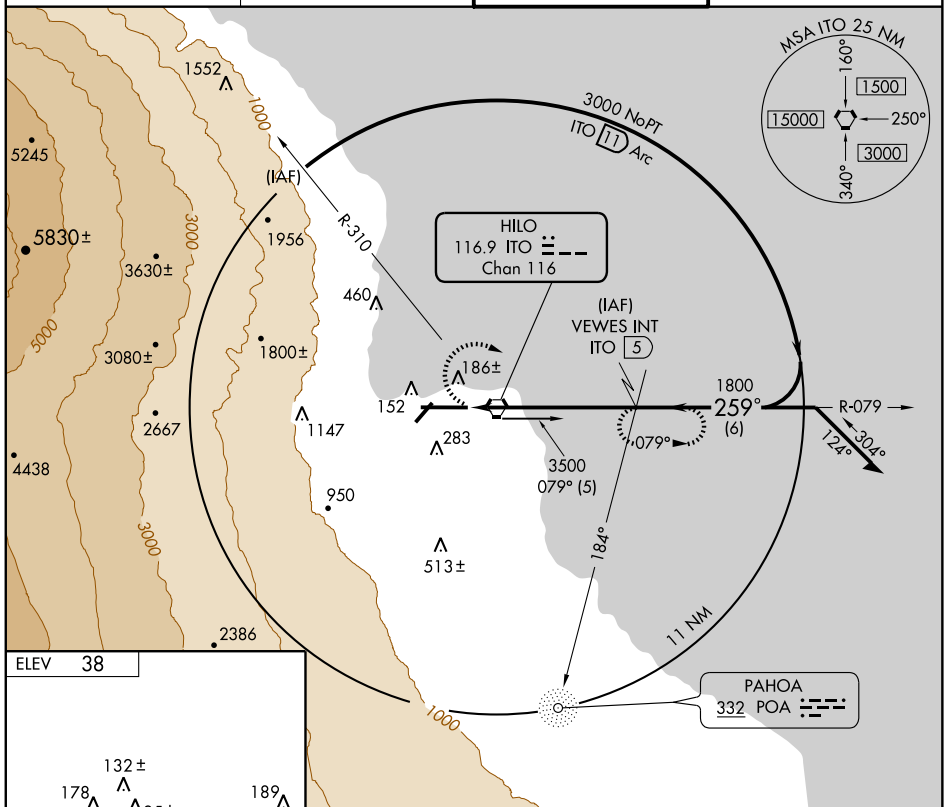
VORTAC ITO 116.9 Chan 116	APP CRS 259°	Rwy ldg 9800 TDZE 38 Apt Elev 38

Circling not authorized south of Rwy 8-26. Visibility reduction for helicopters NA. For inoperative MALSR increase S-26 Cat. A/B and D visibility ¼ mile.

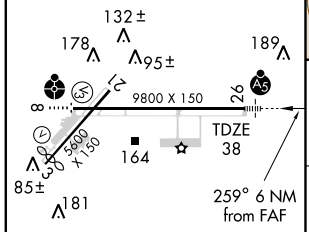
MALSR A5

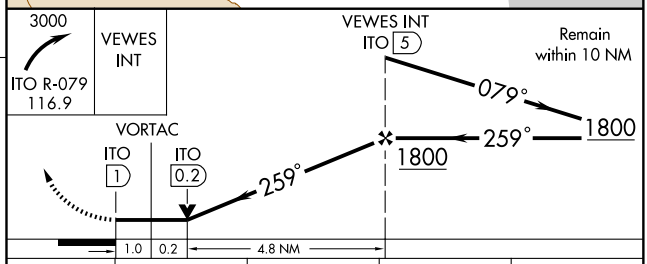
MISSED APPROACH: Climbing right turn to 3000 via ITO R-079 to VEWES/5 DME and hold.

ATIS	HILO APP CON	HILO TOWER ★	GND CON
126.4	119.7 269.2	118.1 (CTAF) L 263.1	121.9



ELEV 38

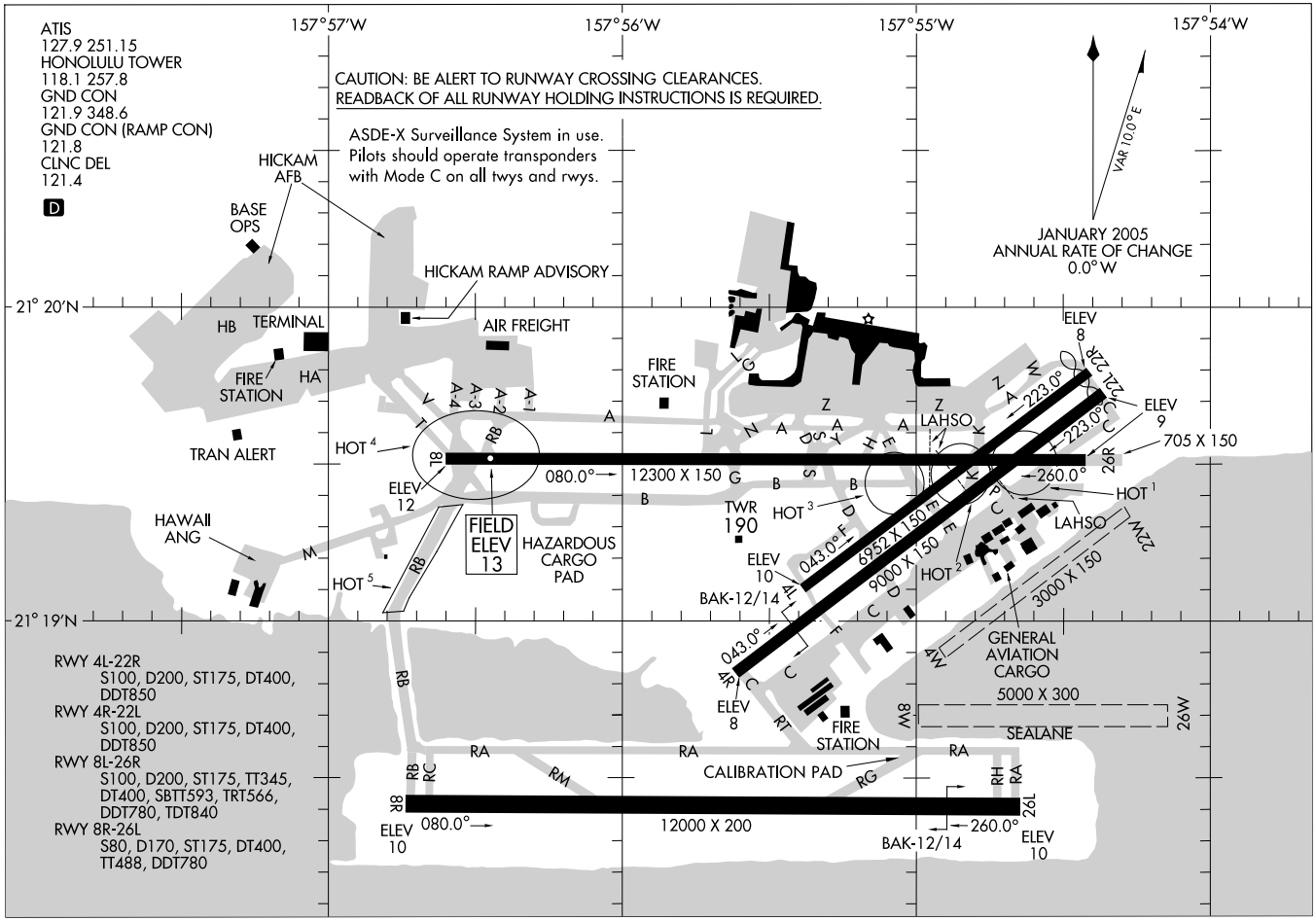




REIL Rwy 3
MIRL Rwy 3-21 L
HIRL Rwy 8-26 L

CATEGORY	A	B	C	D
S-26	460-¾ 422 (500-¾)			460-1 422 (500-1)
CIRCLING	500-1½ 462 (500-1½)			700-2 662 (700-2)

PAC, 03 JUN 2010 to 29 JUL 2010

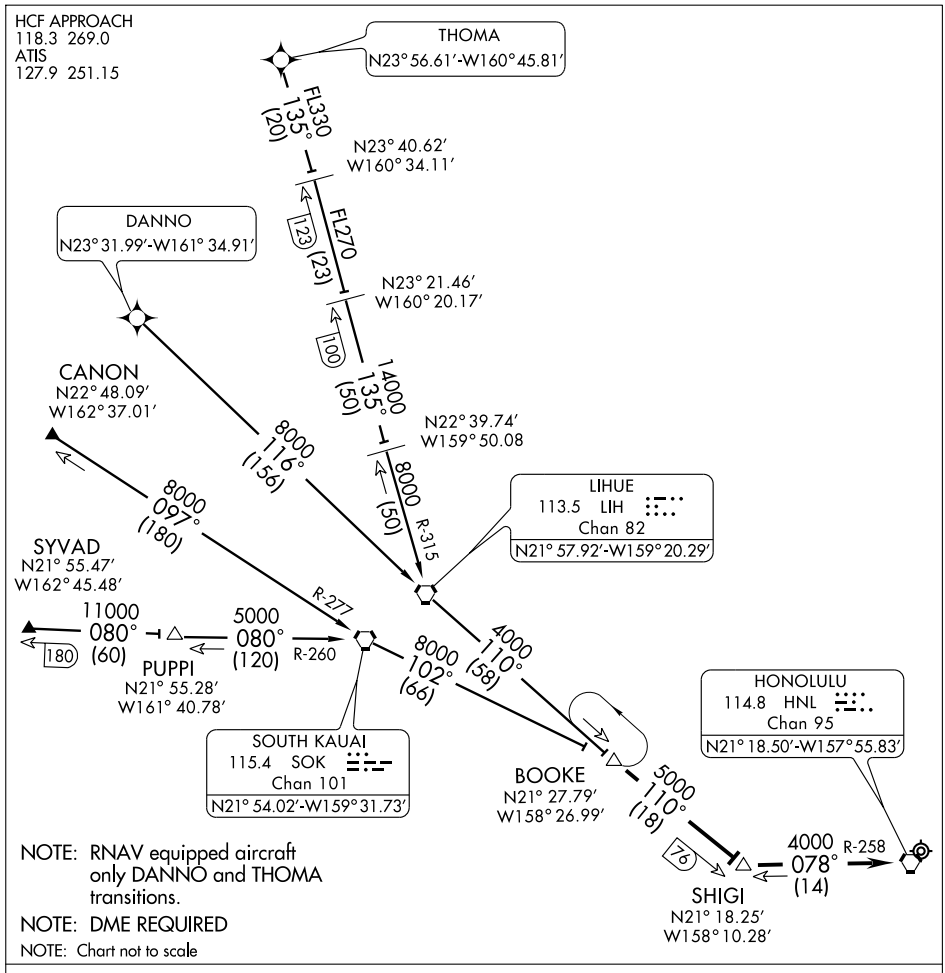


RWY 4L-22R
S100, D200, ST175, DT400, DDT850
RWY 4R-22L
S100, D200, ST175, DT400, DDT850
RWY 8L-26R
S100, D200, ST175, TT345, DT400, SBTT593, TRT566, DDT780, TDT840
RWY 8R-26L
S80, D170, ST175, DT400, TT488, DDT780

ST-754 (FAA)

BOOKE EIGHT ARRIVAL (BOOKE.BOOKE8)

HONOLULU INTL (HNL) (PHNL)
HONOLULU, HAWAII



NOTE: RNAV equipped aircraft only DANNO and THOMA transitions.

NOTE: DME REQUIRED

NOTE: Chart not to scale

ARRIVAL DESCRIPTION

CANON TRANSITION (CANON.BOOKE8): From over CANON INT via SOK R-277 to SOK VORTAC. Then via SOK R-102 to BOOKE DME. Thence....

DANNO TRANSITION (DANNO.BOOKE8): From over DANNO WP via RNAV 116° course to LIH VORTAC. Then via LIH R-110 to BOOKE DME. Thence....

SYVAD TRANSITION (SYVAD.BOOKE8): From over SYVAD INT via SOK R-260 to SOK VORTAC. Then via SOK R-102 to BOOKE DME. Thence....

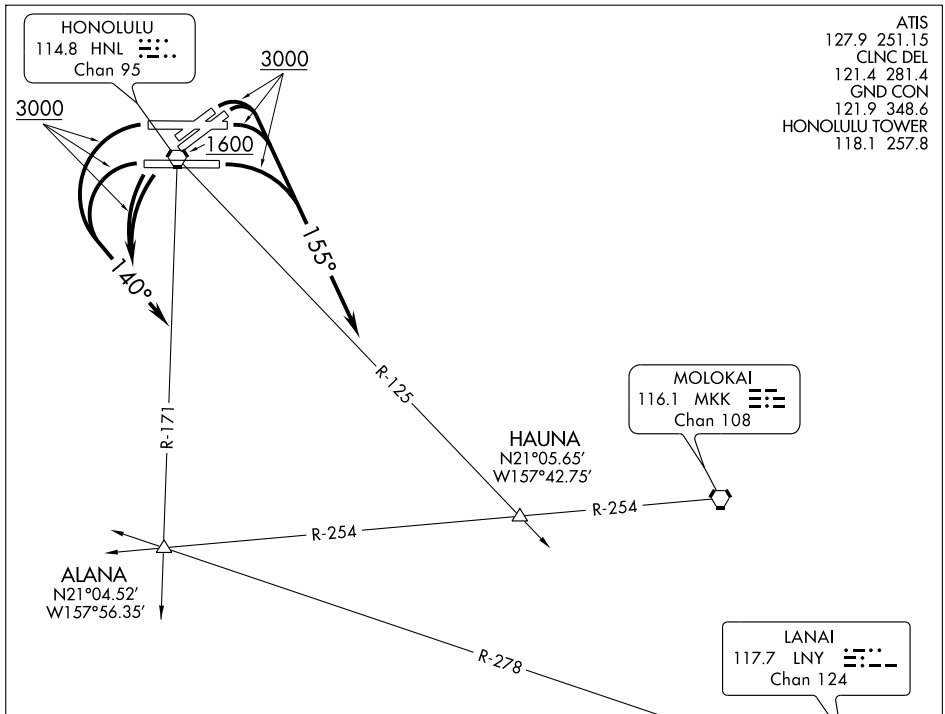
THOMA TRANSITION (THOMA.BOOKE8): From over THOMA WP via RNAV 135° course to LIH 123 DME, then LIH R-315 to LIH VORTAC. Then via LIH R-110 to BOOKE DME. Thence....

....From over BOOKE DME via LIH R-110 and HNL R-258 to HNL VORTAC. Expect radar vectors.

PAC, 03 JUN 2010 to 29 JUL 2010

HONOLULU ONE DEPARTURE (OBSTACLE)

HONOLULU INTL (HNL) (PHNL)
HONOLULU, HAWAII



TAKE-OFF MINIMUMS:

RWYS 22L/R, 26R: Standard.
RWYS 4L/R: Standard with minimum climb of 425 feet per NM to 1900, do not exceed 180 KIAS until southeast bound on 155° heading, or 1700-2½ for climb in visual conditions.
RWY 8L: Standard with minimum climb of 310 feet per NM to 1000, or 1700-2½ for climb in visual conditions.
RWY 8R: Standard with minimum climb of 270 feet per NM to 1000, or 1700-2½ for climb in visual conditions.
RWY 26L: Standard with minimum climb of 237 feet per NM to 300, or 1700-2½ for climb in visual conditions.

(NARRATIVE ON FOLLOWING PAGE) NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RUNWAYS 4L/R, 8L/R: Climbing right turn to 3000 via heading 155° to intercept HNL R-125 to HAUNA INT before proceeding on course, or....
TAKE-OFF RUNWAYS 22L/R, 26L/R: Climbing left turn to 3000 via heading 140° to intercept HNL R-171 to ALANA INT before proceeding on course, or....

....For climb in visual conditions to cross HNL VORTAC southbound at 1600, continue climb to 3000 via HNL R-171 to ALANA INT before proceeding on course.

HONOLULU ONE DEPARTURE (OBSTACLE)

TAKE-OFF OBSTACLE NOTES:

RWY 4L: Multiple lights beginning 630 feet from DER, 236 feet left of centerline, 102 feet right of centerline, up to 84 feet AGL/92 feet MSL. Light on bldg 669 feet from DER, 394 feet left of centerline, 29 feet AGL/37 feet MSL. Stack on bldg 2,488 feet from DER, 219 feet right of centerline, 72 feet AGL/80 feet MSL. Multiple trees beginning 1,253 feet from DER, 209 feet left of centerline, 935 feet right of centerline, up to 64 feet AGL/72 feet MSL. Bush 450 feet from DER, 234 feet left of centerline, 14 feet AGL/22 feet MSL.

RWY 4R: Stack on bldg, 2,442 feet from DER, 283 feet left of centerline, 72 feet AGL/80 feet MSL. Multiple trees beginning 1,206 feet from DER, 711 feet left of centerline, 433 feet right of centerline, up to 64 feet AGL/72 feet MSL. Multiple lights beginning 1,072 feet from DER, 399 feet left of centerline, 504 feet right of centerline, up to 36 feet AGL/44 feet MSL. Pole 2,110 feet from DER, 951 feet left of centerline, 59 feet AGL/67 feet MSL.

RWY 22L: Multiple bushes beginning 265 feet from DER, 396 feet right of centerline, 17 feet AGL/31 feet MSL. Tree 1,065 feet from DER, 499 feet right of centerline, 30 feet AGL/38 feet MSL.

RWY 22R: Rod on OL ASR 1,451 feet from DER, 827 feet right of centerline, 76 feet AGL/84 feet MSL. Tree 853 feet from DER, 308 feet right of centerline, 43 feet AGL/51 feet MSL.

RWY 26L: Ship 6,683 feet from DER, on centerline, 208 feet AGL/208 feet MSL.

PAC: 03 JUN 2010 to 29 JUL 2010

LOC/DME I-IUM	APP CRS	Rwy ldg	9000
110.5	042°	TDZE	9
Chan 42		Apt Elev	13

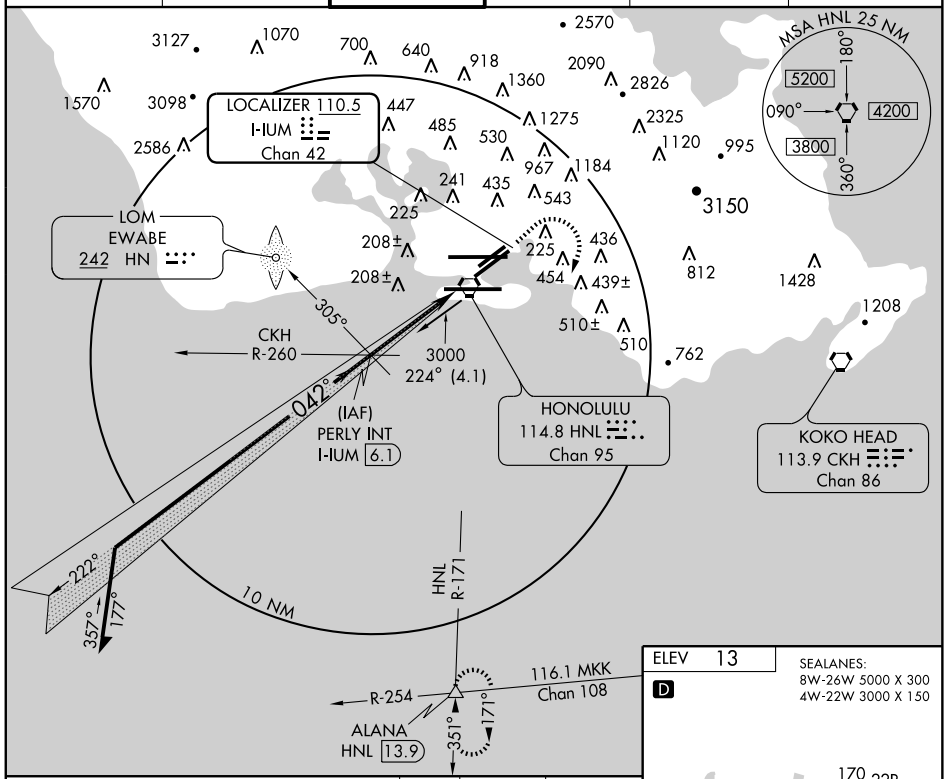
ILS RWY 4R
HONOLULU INTL (HNL) (PHNL)

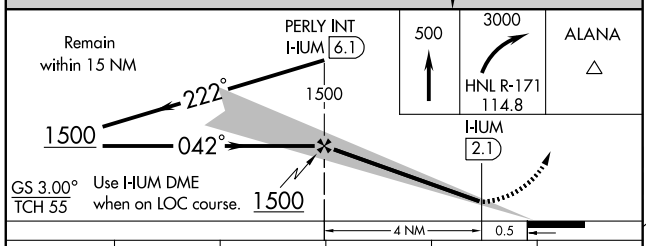
Cat. A, B, C circling not authorized northwest of airport between Rwys 8L-26R and 4L- 22R. Cat. D, E circling not authorized north of Rwy 8L-26R. For inoperative MALSR, increase S-ILS-4R Cat. E visibility to 1¼ and S-LOC-4R visibility to 1½ .

MALSR A5

MISSED APPROACH: Climb to 500 then climbing right turn to 3000 via HNL R-171 to ALANA Int/HNL 13.9 DME and hold.

ATIS	HCF APPROACH	HONOLULU TOWER	GND CON	CLNC DEL	RAMP CONTROL
127.9 251.15	118.3 269.0	118.1 257.8	121.9 348.6	121.4 281.4	121.8

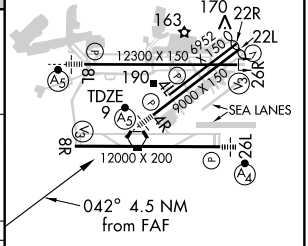




ELEV 13

D

SEALANES:
8W-26W 5000 X 300
4W-22W 3000 X 150



CATEGORY	A	B	C	D	E
S-ILS 4R	209-½ 200 (200-½)				359-1 350 (400-1)
S-LOC 4R	460-½ 451 (500-½)		460-¾ 451 (500-¾)	460-1 451 (500-1)	
CIRCLING	620-1 607 (700-1)		620-1¾ 607 (700-1¾)	760-2½ 747 (800-2½)	1500-3 1487 (1500-3)

MIRL Rwy 4L-22R
REIL Rwys 4L, 8R, 22L, 22R and 26R
HIRL Rwys 4R-22L, 8L-26R and 8R-26L

FAF to MAP 4 NM

Knots	60	90	120	150	180
Min:Sec	4:00	2:40	2:00	1:36	1:20

PAC, 03 JUN 2010 to 29 JUL 2010

ILS RWY 8L
HONOLULU INTL (HNL) (PHNL)

LOC I-HNL	APP CRS	Rwy ldg	12300
111.7	079°	TDZE	13
		Apt Elev	13

DME from HNL VORTAC. Simultaneous reception of I-HNL and HNL DME required.

MALSR

MISSED APPROACH: Climb to 500 then climbing right turn to 5000 via HNL VORTAC R-171 to ALANA Int/HNL 13.9 DME and hold, continue climb-in-hold to 5000, or as directed by ATC.

ATIS	HCF APPROACH	HONOLULU TOWER	GND CON	CLNC DEL	RAMP CONTROL
127.9 251.15	118.3 269.0	118.1 257.8	121.9 348.6	121.4 281.4	121.8

Procedure NA for arrivals at BOOKE via V15 northwest bound.

DME or RADAR REQUIRED

(IAF) BOOKE LIH 58 RADAR

113.5 LIH Chan 82

3300 to RODAW 079° (4.7)

5000 110° (15.9)

R-277

R-110

259°

(IAF) MAKOA HNL 11.9 RADAR

3300 079° (1)

2700 079° (2.1)

EWABE LOM

R-263

(IAF) SELIC HNL 15.6 RADAR

(IF) RODAW HNL 10.9 RADAR

FGTRE HNL 8.8 RADAR

HONOLULU 114.8 HNL Chan 95

LOCALIZER 111.7 I-HNL

When GS not used, use LOC Rwy 8L procedure.

10 NM

ENROUTE FACILITIES

MSA HN 25 NM

180° 5300 090° 4400 3900 360°

ALANA HNL 13.9

R-171

R-218

113.9 CKH Chan 86

R-254

116.1 MKK Chan 108

R-278

117.7 LNY Chan 124

351° 171°

114.8 HNL Chan 95

ALTERNATE MISSED APCH FIX

113.9 CKH Chan 86

ALANA CKH 17.4

R-171

R-218

R-278

R-254

116.1 MKK Chan 108

117.7 LNY Chan 124

038° 218°

ELEV 13 D

SEALANES:
8W-26W 5000 X 300
4W-22W 3000 X 150

TDZE 13

163 170 22R 22L

12300 X 150 6852 X 150

190 8L 26R

9000 X 150

4R

SEA LANES

8R 26L

12000 X 200

079° 8.1 NM from FGTRE

Procedure Turn NA

500	5000	ALANA
	HNL R-171	

RODAW HNL 10.9 RADAR

FGTRE HNL 8.8 RADAR

VGSI and ILS glidepath not coincident.

3300 079° 2700 LOM 1994

2700

GS 3.00°
TCH 65

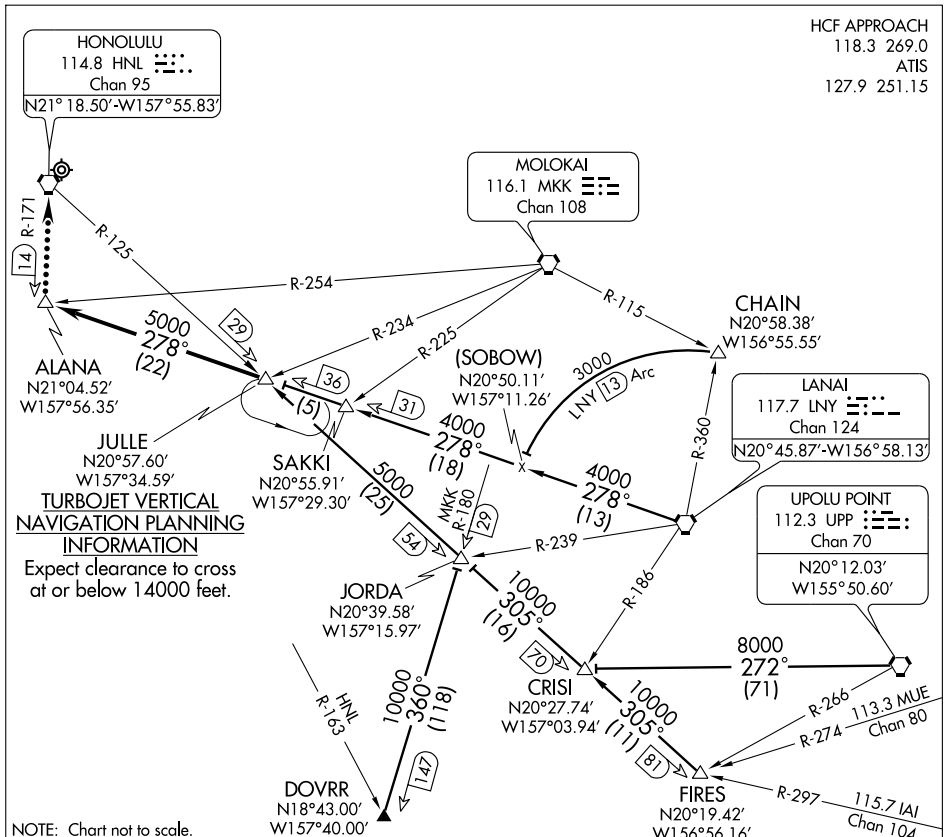
2.1 NM 2.1 NM 5.9 NM

MIRL Rwy 4L-22R
REIL Rwys 4L, 8R, 22L, 22R and 26R
HIRL Rwys 4R-22L, 8L-26R and 8R-26L

CATEGORY	A	B	C	D
S-ILS 8L	213-½ 200 (200-½)			

JULLE FOUR ARRIVAL (JULLE.JULLE4)

HONOLULU INTL (HNL) (PHNL)
HONOLULU, HAWAII



CHAIN TRANSITION (CHAIN.JULLE4): From over CHAIN INT via LNY 13 DME Arc to intercept LNY R-278 to JULLE INT. Thence....

DOVRR TRANSITION (DOVRR.JULLE4): From over DOVRR INT via MKK R-180 to JORDA INT, thence via HNL R-125 to JULLE INT. Thence....

FIRES TRANSITION (FIRES.JULLE4): From over FIRES INT via HNL R-125 to JULLE INT. Thence....

LANAI TRANSITION (LNY.JULLE4): From over LNY VORTAC via LNY R-278 to JULLE INT. Thence....

UPOLU TRANSITION (UPP.JULLE4): From over UPP VORTAC via UPP R-272 and HNL R-125 to JULLE INT. Thence....

....From over JULLE INT via LNY R-278 to ALANA INT. Expect vectors to final approach course.

LOST COMMUNICATIONS: After ALANA INT via HNL R-171 to HNL VORTAC maintain 4000 feet.

NOTE: Turbojet aircraft descend via mach number until transtion to 280 KIAS. Maintain 280 KIAS until 10,000 MSL

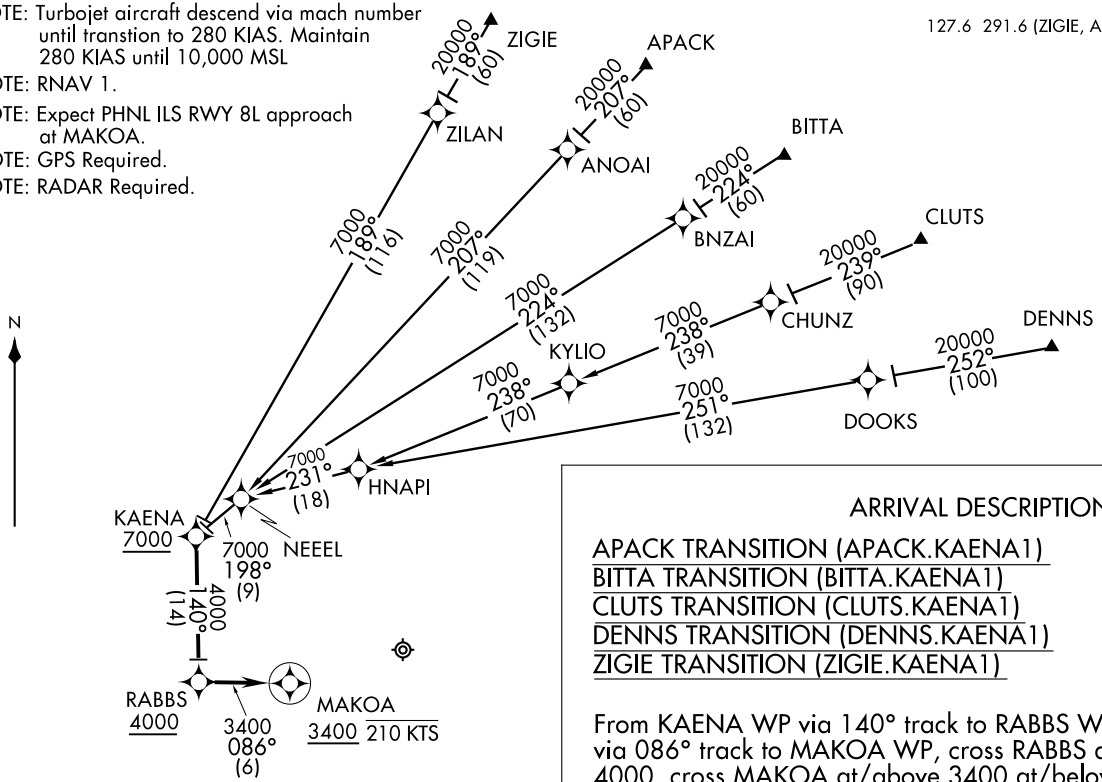
NOTE: RNAV 1.

NOTE: Expect PHNL ILS RWY 8L approach at MAKOA.

NOTE: GPS Required.

NOTE: RADAR Required.

HCF APPROACH
127.6 291.6 (ZIGIE, APACK, BITTA, and CLUTS)
126.6 284.6 (DENNS)
ATIS
127.9 251.15



ARRIVAL DESCRIPTION

APACK TRANSITION (APACK.KAENA1)
BITTA TRANSITION (BITTA.KAENA1)
CLUTS TRANSITION (CLUTS.KAENA1)
DENNS TRANSITION (DENNS.KAENA1)
ZIGIE TRANSITION (ZIGIE.KAENA1)

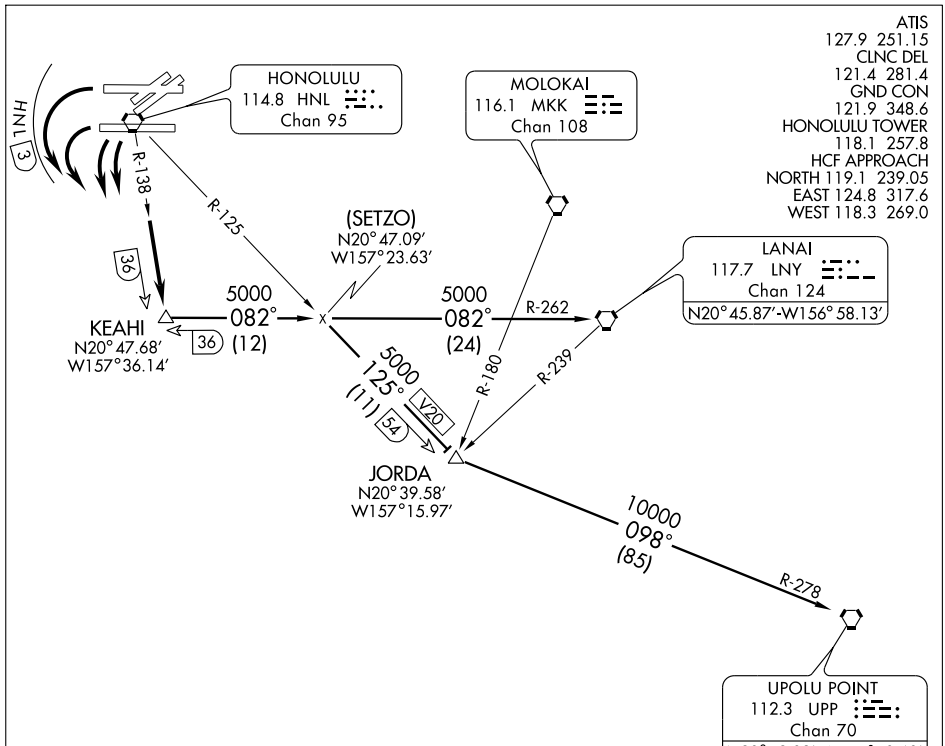
From KAENA WP via 140° track to RABBS WP then via 086° track to MAKOA WP, cross RABBS at/above 4000, cross MAKOA at/above 3400 at/below 210 knots. Expect PHNL ILS Rwy 8L approach.

LOST COMMUNICATIONS: Descend via the KAENA Arrival, at MAKOA cleared PHNL ILS RWY 8L approach.

NOTE: Chart not to scale.

KEAHI THREE DEPARTURE (KEAHI3.KEAHI)

HONOLULU INTL (HNL) (PHNL)
HONOLULU, HAWAII



NOTE: Departures from Runways 26L/R must complete left turn to assigned heading within 2 NM of runway departure end (HNL 3 DME).

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RUNWAYS 22/26 ONLY: Turn left to heading assigned by tower, expect radar vectors to intercept HNL R-138; then via HNL R-138 to KEAHI INT, maintain 5000′; then via (transition). Expect clearance to enroute altitude/flight level at JORDA INT or LNY VORTAC.

JORDA TRANSITION (KEAHI3.JORDA): From over KEAHI INT via LNY R-262 and HNL R-125 to JORDA INT.

LANAI TRANSITION (KEAHI3.LNY): From over KEAHI INT via LNY R-262 to LNY VORTAC.

UPOLU TRANSITION (KEAHI3.UPP): From over KEAHI INT via LNY R-262 and HNL R-125 to JORDA INT, thence via UPP R-278 to UPP VORTAC.

KEOLA TWO DEPARTURE (KEOLA2.KEOLA)

DEPARTURE ROUTE DESCRIPTION

Turn right/left to heading assigned by the Tower, expect vectors to KEOLA INT, maintain 5000′; then via transitions. Expect clearance to enroute altitude/flight level at KEOLA INT.

KATHS TRANSITION (KEOLA2.KATHS): Via HNL R-258 and SOK R-234 to KATHS INT.

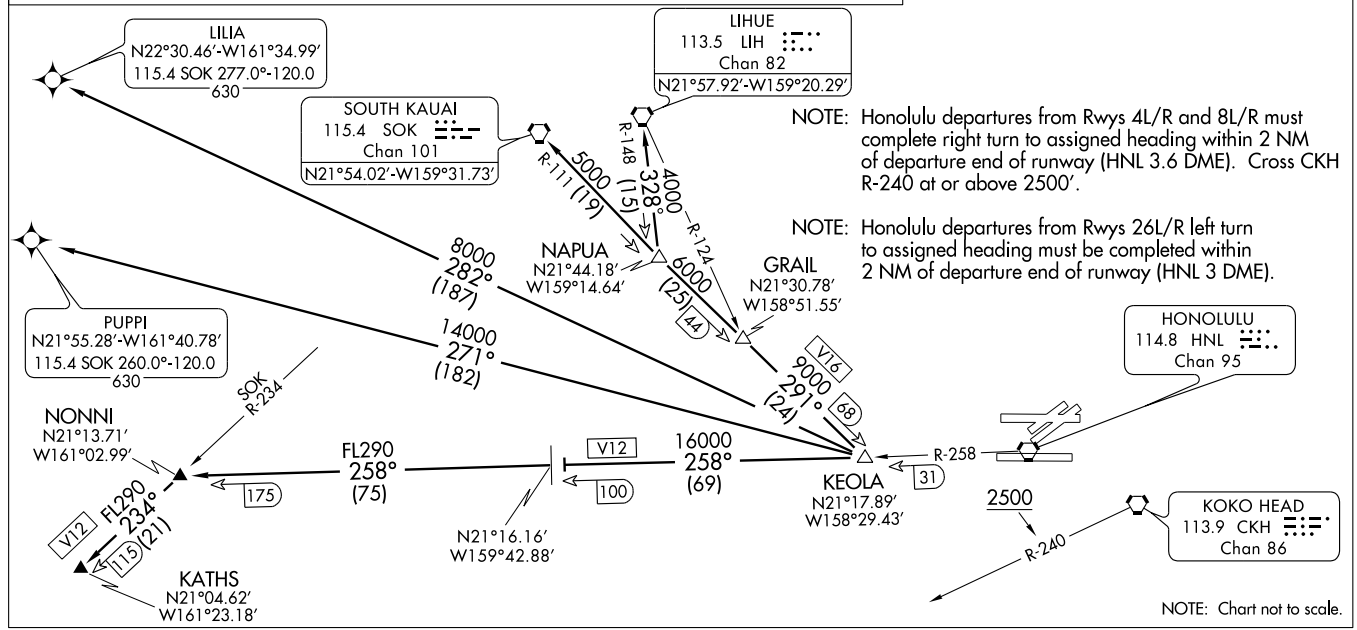
LIHUE TRANSITION (KEOLA2.LIH): Via SOK R-111 and LIH R-148 to LIH VORTAC.

LILIA TRANSITION (KEOLA2.LILIA): Via RNAV course 282° to LILIA WP.

NONNI TRANSITION (KEOLA2.NONNI): Via HNL R-258 to NONNI INT.

PUPPI TRANSITION (KEOLA2.PUPPI): Via RNAV course 271° to PUPPI WP.

SOUTH KAUAI TRANSITION (KEOLA2.SOK): Via SOK R-111 to SOK VORTAC.



NOTE: Honolulu departures from Rwys 4L/R and 8L/R must complete right turn to assigned heading within 2 NM of departure end of runway (HNL 3.6 DME). Cross CKH R-240 at or above 2500′.

NOTE: Honolulu departures from Rwys 26L/R left turn to assigned heading must be completed within 2 NM of departure end of runway (HNL 3 DME).

NOTE: Chart not to scale.

NOTE: Turbojet aircraft descend via mach number until transtion to 280 KIAS. Maintain 280 KIAS until 10,000 MSL

NOTE: Expect PHNL ILS RWY 8L approach at MAKOA.

NOTE: GPS Required.

NOTE: RADAR Required.

NOTE: RNAV 1.

HCF APPROACH
118.3 269.0
ATIS
127.9 251.15

N

THOMA
20000
129°
(50)

DANNO
20000
114°
(50)

TOOMI
FL200

7500
129°
(76)

DEELR
FL200

7500
114°
(84)

ROMEE

CANON
20000
097°
(90)

MYBRO

7500
129°
(61)

COPII
FL200

7500
097°
(75)

7500
115°
(40)

7500
115°
(30)

OUCHI
17000

CALAH

7500
098°
(40)

SYVAD
20000
084°
(90)

DEEKE
17000

7500
098°
(30)

SOOSN
FL200

7500
084°
(143)

121°

301°

8 NM

KLANI
9000

4000
111°
(24)

RABBS
4000

3400
086°
(6)

MAKOA
3400 210 KTS

ARRIVAL DESCRIPTION

CANON TRANSITION (CANON.KLANI1)
DANNO TRANSITION (DANNO.KLANI1)
SYVAD TRANSITION (SYVAD.KLANI1)
THOMA TRANSITION (THOMA.KLANI1)

From KLANI WP via 111° track to RABBS WP then via 086° track to MAKOA WP, cross RABBS at/above 4000, cross MAKOA at/above 3400 at/below 210 knots. Expect PHNL ILS RWY 8L approach.

LOST COMMUNICATIONS: Descend via the KLANI Arrival, at MAKOA cleared PHNL ILS RWY 8L approach.

NOTE: Chart not to scale.

KLANI ONE ARRIVAL (RNAV)

(KLANI.KLANI1) 10154

ST-754 (FAA)

HONOLULU INTL (HNL) (PHNL)
HONOLULU, HAWAII

LOC/DME I-EPC	APP CRS	Rwy ldg 12000
109.1	304°	TDZE 10
Chan 28		Apt Elev 13

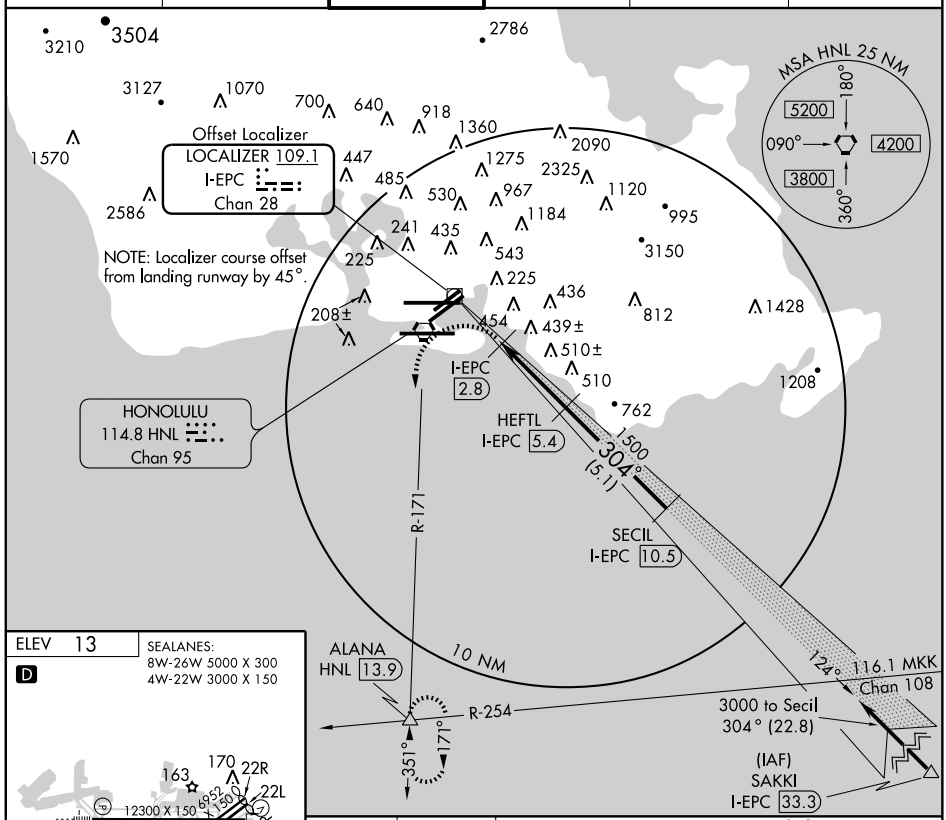
LDA/DME RWY 26L
HONOLULU INTL (HNL)(PHNL)

Cat. A, B, C circling not authorized northwest of airport between Rwys 8L/26R and 4L/22R. Cat. D, E circling not authorized north of Rwy 8L/26R. Inoperative table does not apply to MALSF. Follow flasher lights to Rwy 26L. Procedure not authorized at night when MALSF inoperative.

MALSF

MISSED APPROACH: Climbing left turn to 3000 via HNL R-171 to ALANA Int/HNL 13.9 DME and hold.

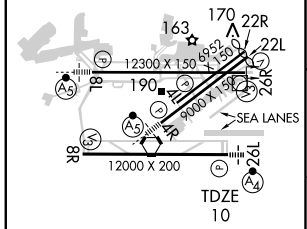
ATIS	HCF APPROACH	HONOLULU TOWER	GND CON	CLNC DEL	RAMP CONTROL
127.9 251.15	118.3 269.0	118.1 257.8	121.9 348.6	121.4 281.4	121.8

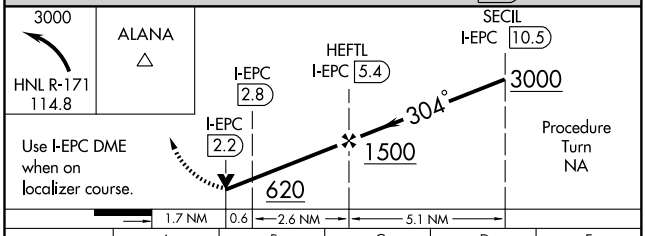


ELEV 13

D

SEALANES:
8W-26W 5000 X 300
4W-22W 3000 X 150





CATEGORY	A	B	C	D	E
S-26L	560-2 550 (600-2)				
CIRCLING	620-2 607 (700-2)			760-2½ 747 (800-2½)	1500-3 1487 (1500-3)

MIRL Rwy 4L-22R
REIL Rwys 4L, 8R, 22L, 22R and 26R
HIRL Rwys 4R-22L, 8L-26R and 8R-26L

PAC: 03 JUN 2010 to 29 JUL 2010

LOC I-HNL	APP CRS	Rwy ldg	12300
111.7	079°	TDZE	13
		Apt Elev	13

LOC RWY 8L

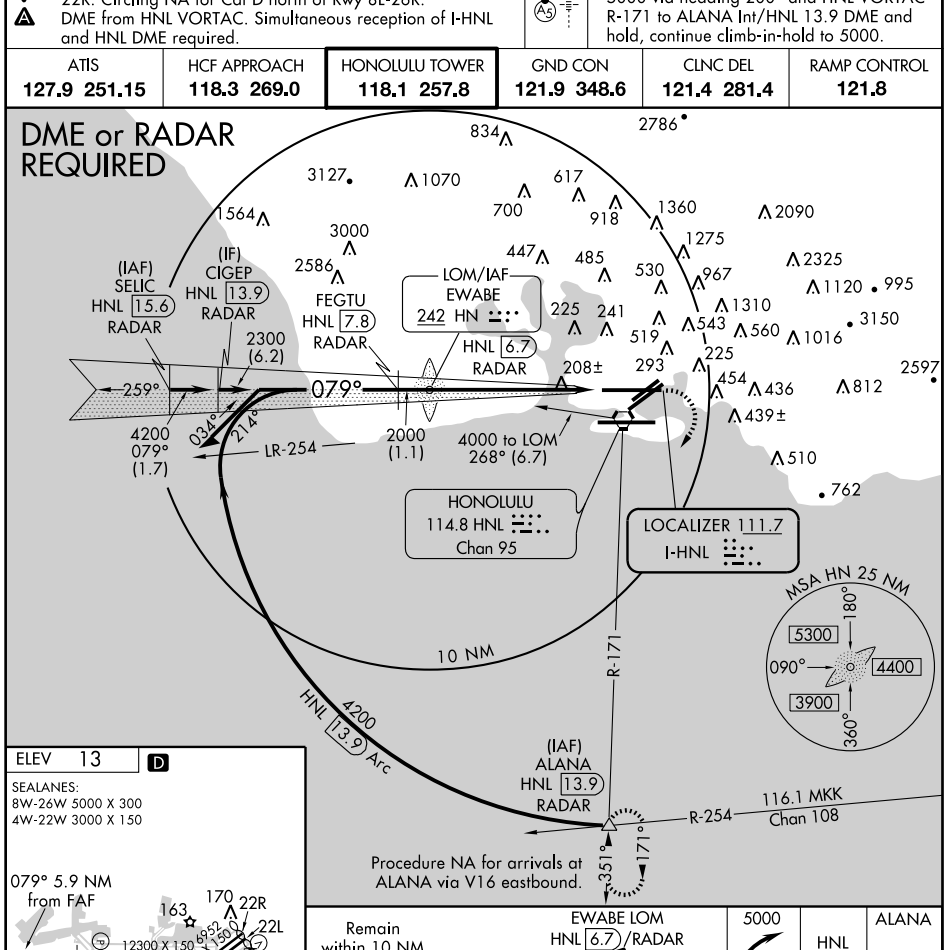
HONOLULU INTL (HNL) (PHNL)

Circling NA for Cats A, B, and C northwest of Rwys 8L and 22R. Circling NA for Cat D north of Rwy 8L-26R.
DME from HNL VORTAC. Simultaneous reception of I-HNL and HNL DME required.

MALSR

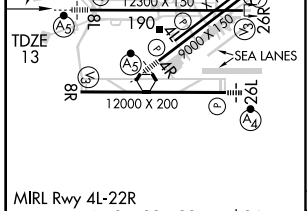
MISSED APPROACH: Climbing right turn to 5000 via heading 200° and HNL VORTAC R-171 to ALANA Int/HNL 13.9 DME and hold, continue climb-in-hold to 5000.

ATIS	HCF APPROACH	HONOLULU TOWER	GND CON	CLNC DEL	RAMP CONTROL
127.9 251.15	118.3 269.0	118.1 257.8	121.9 348.6	121.4 281.4	121.8



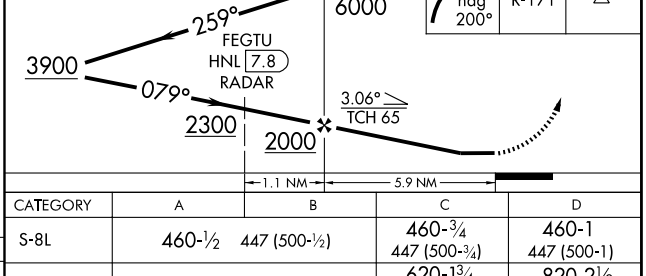
ELEV 13 D

SEALANES:
8W-26W 5000 X 300
4W-22W 3000 X 150



MIRL Rwy 4L-22R
REIL Rwys 4L, 8R, 22L, 22R and 26R
HIRL Rwys 4R-22L, 8L-26R and 8R-26L

FAF to MAP 5.9 NM					
Knots	60	90	120	150	180
Min:Sec	5:54	3:56	2:57	2:22	1:58

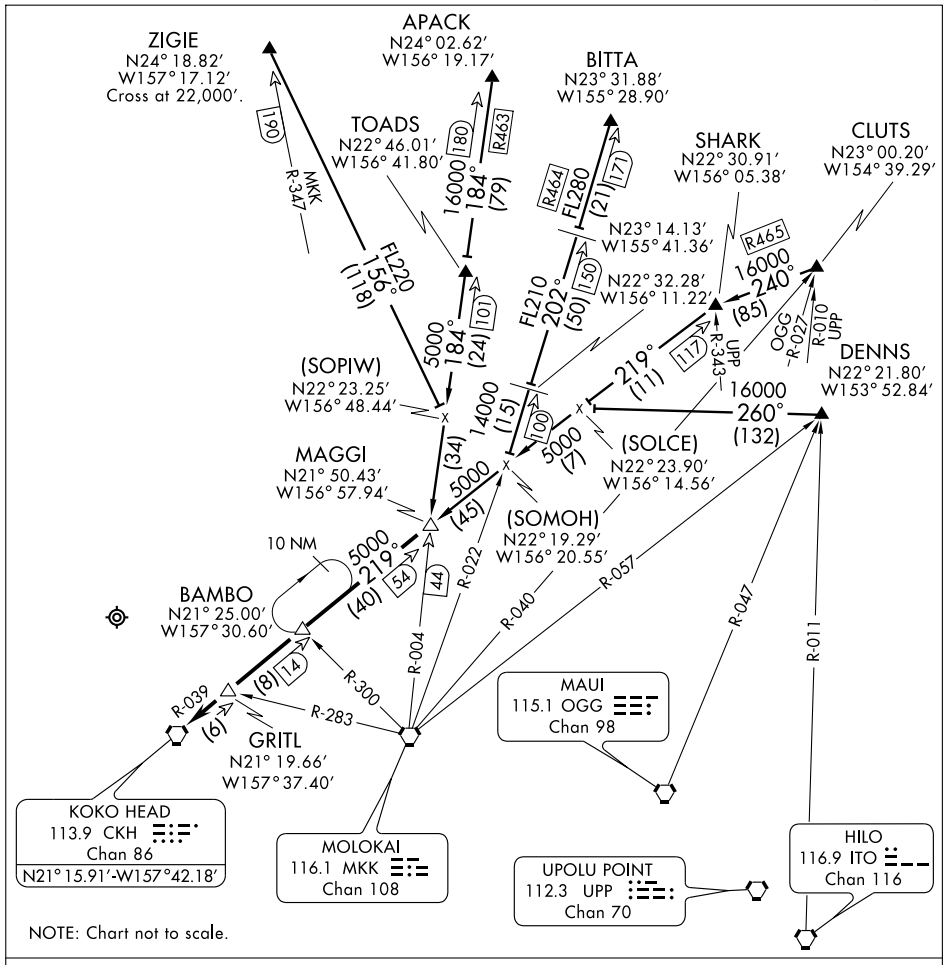


CATEGORY	A	B	C	D
S-8L	460-½ 447 (500-½)		460-¾ 447 (500-¾)	460-1 447 (500-1)
CIRCLING	620-1 607 (700-1)		620-1¾ 607 (700-1¾)	820-2½ 807 (900-2½)

ST-754 (FAA)

MAGGI THREE ARRIVAL (MAGGI.MAGGI3)

HONOLULU INTL (HNL) (PHNL)
HONOLULU, HAWAII



ARRIVAL DESCRIPTION

APACK TRANSITION (APACK.MAGGI3): From over APACK DME via MKK R-004 to MAGGI INT. Thence....

BITTA TRANSITION (BITTA.MAGGI3): From over BITTA DME via MKK R-022 to intercept CKH R-039 to MAGGI INT. Thence....

CLUTS TRANSITION (CLUTS.MAGGI3): From over CLUTS DME via heading 240° to intercept CKH R-039 to MAGGI INT. Thence....

DENNS TRANSITION (DENNS.MAGGI3): From over DENNS INT via heading 260° to intercept CKH R-039 to MAGGI INT. Thence....

ZIGIE TRANSITION (ZIGIE.MAGGI3): From over ZIGIE DME via heading 156° to intercept MKK R-004 to MAGGI INT. Thence....

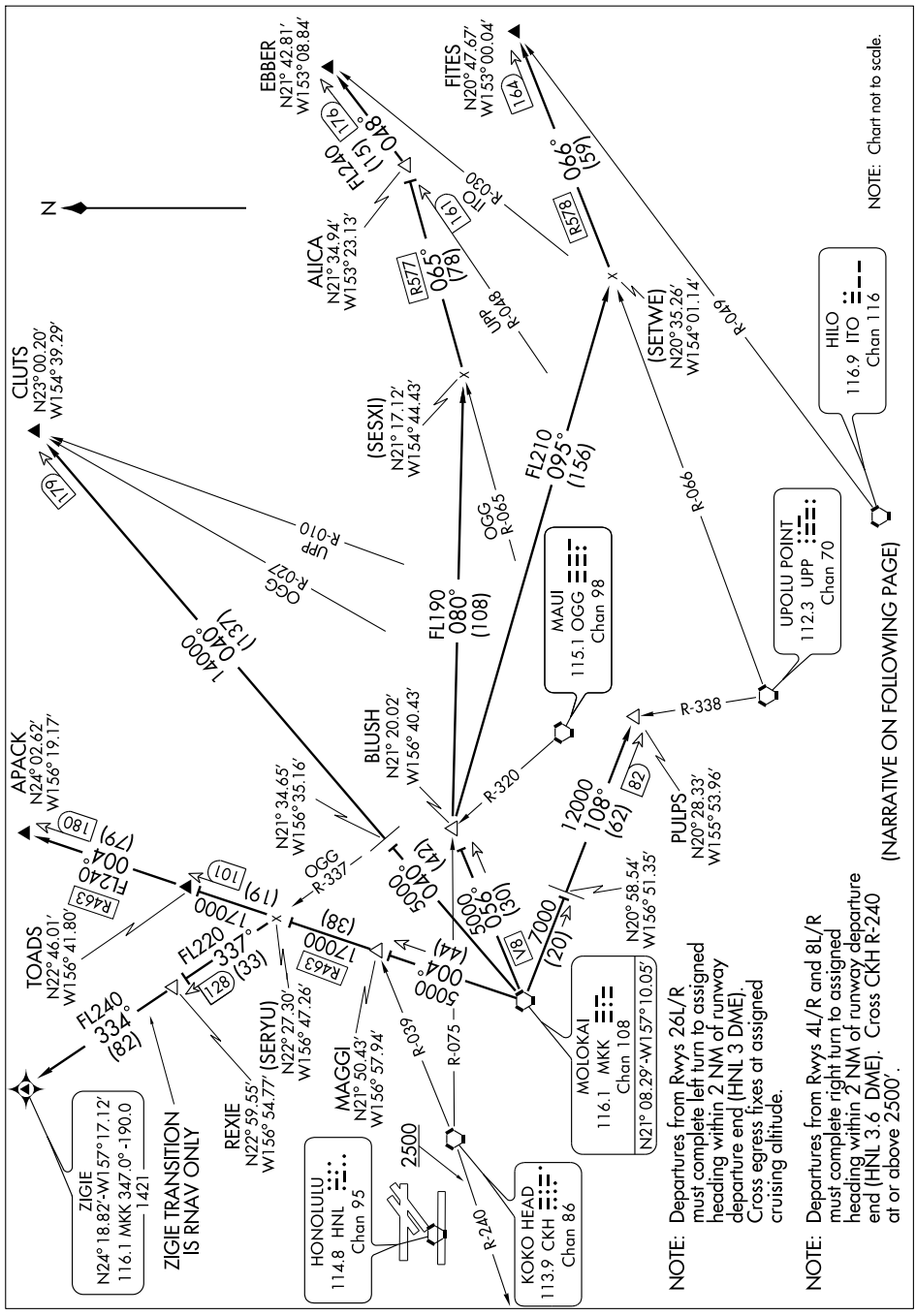
....From over MAGGI INT via CKH R-039 to CKH VORTAC then radar vectors for approach to airport.

PAC, 03 JUN 2010 to 29 JUL 2010

SL-754 (FAA)

MOLOKAI FOUR DEPARTURE (MKK4.MKK)

HONOLULU INTL (HNL) (PHNL)
HONOLULU, HAWAII



MOLOKAI FOUR DEPARTURE (MKK4.MKK)

DEPARTURE ROUTE DESCRIPTION

Turn right/left to heading as assigned by Tower, expect vectors to MKK VORTAC, maintain 5000'; then via (transition). Expect clearance to enroute altitude/flight level at MKK VORTAC. Cross egress fixes ZIGIE, APACK, CLUTS, EBBER, and FITES at assigned cruising altitude, unless otherwise advised by ATC.

APACK TRANSITION (MKK4.APACK): From over MKK VORTAC via MKK R-004 to APACK INT.

CLUTS TRANSITION (MKK4.CLUTS): From over MKK VORTAC via MKK R-040 to CLUTS INT.

EBBER TRANSITION (MKK4.EBBER): From over MKK VORTAC via MKK R-056 to BLUSH INT then via 080° heading and R577 to EBBER INT.

FITES TRANSITION (MKK4.FITES): From over MKK VORTAC via MKK R-056 to BLUSH INT then via 095° heading and R578 to FITES INT.

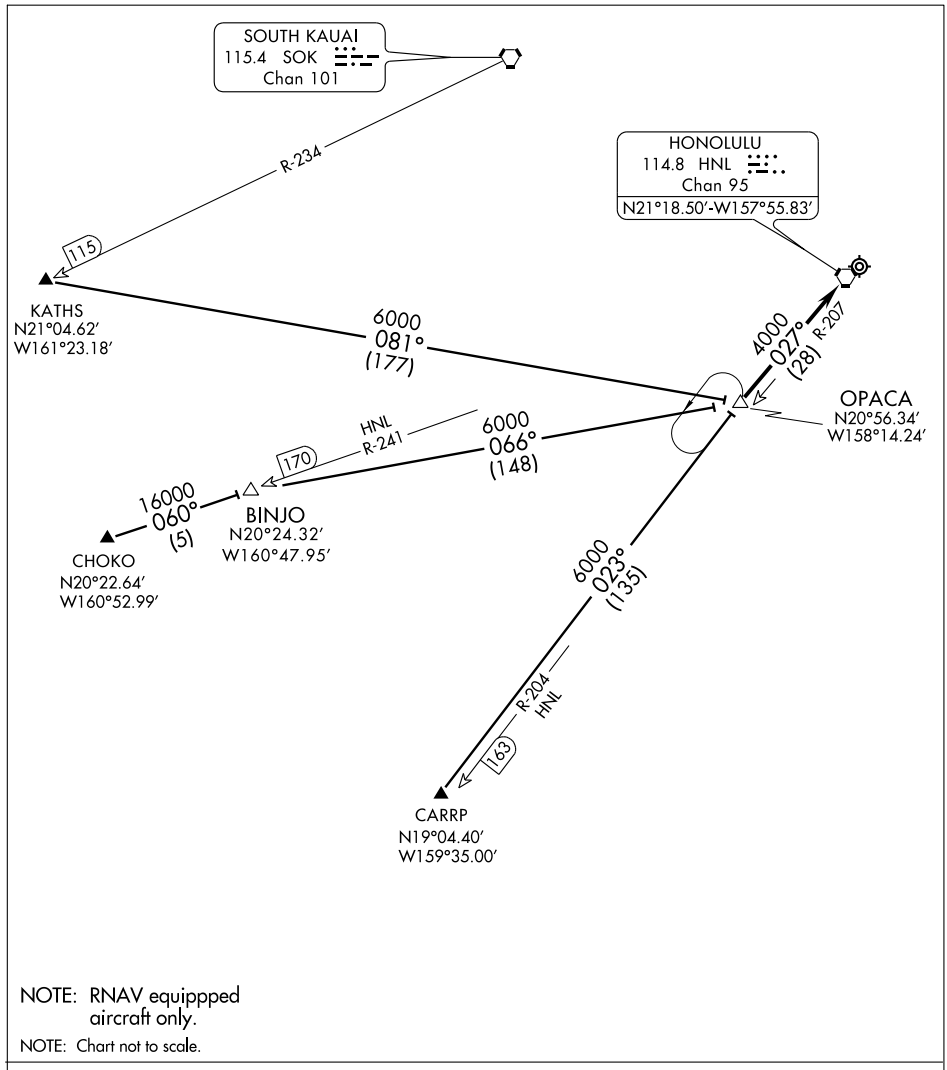
PULPS TRANSITION (MKK4.PULPS): From over MKK VORTAC via MKK R-108 to PULPS INT.

ZIGIE TRANSITION (MKK4.ZIGIE): From over MKK VORTAC via MKK R-004 to intercept and proceed via OGG R-337 to REXIE DME. Then via RNAV heading 334° to ZIGIE WP.

PAC: 03 JUN 2010 to 29 JUL 2010

OPACA FOUR ARRIVAL (OPACA.OPACA4)

HONOLULU INTL (HNL) (PHNL)
HONOLULU, HAWAII



NOTE: RNAV equippped aircraft only.

NOTE: Chart not to scale.

ARRIVAL DESCRIPTION

CARRP TRANSITION (CARRP.OPACA4): From over CARRP WP, RNAV direct to OPACA DME. Thence....

CHOKO TRANSITION (CHOKO.OPACA4): From over CHOKO WP, RNAV direct to BINJO DME, then direct to OPACA DME. Thence....

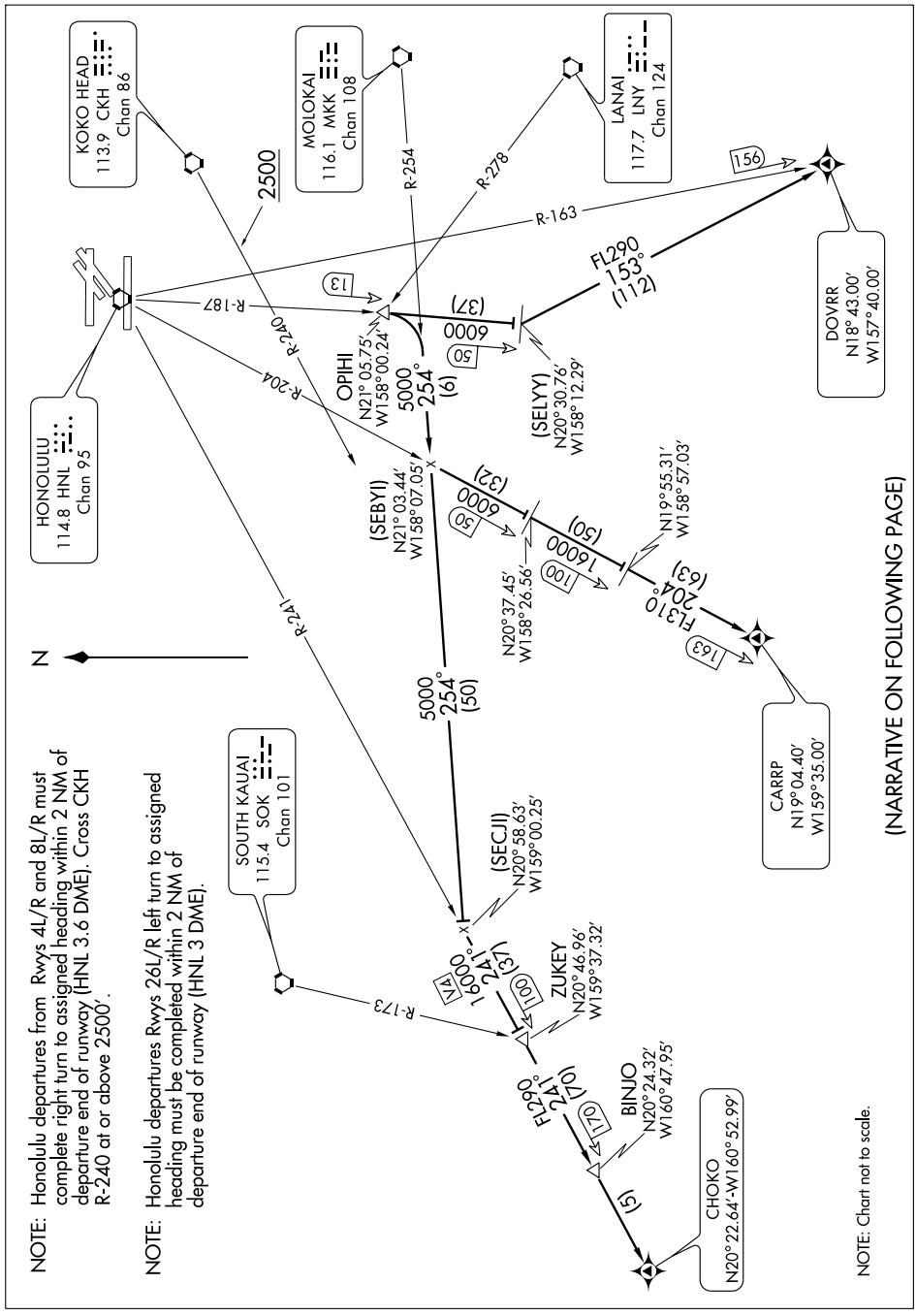
KATHS TRANSITION (KATHS.OPACA4): From over KATHS WP, RNAV direct to OPACA DME. Thence....

....From over OPACA DME via HNL R-207 to HNL VORTAC, expect radar vectors to final approach course.

PAC, 03 JUN 2010 to 29 JUL 2010

OPIHI TWO DEPARTURE (OPIHI2.OPIHI)

HONOLULU INTL (HNL) (PHNL)
HONOLULU, HAWAII



NOTE: Honolulu departures from Rwys 4L/R and 8L/R must complete right turn to assigned heading within 2 NM of departure end of runway (HNL 3.6 DME). Cross CKH R-240 at or above 2500'.

NOTE: Honolulu departures Rwys 26L/R left turn to assigned heading must be completed within 2 NM of departure end of runway (HNL 3 DME).

NOTE: Chart not to scale.

(NARRATIVE ON FOLLOWING PAGE)

OPIHI TWO DEPARTURE (OPIHI2.OPIHI)

T

DEPARTURE ROUTE DESCRIPTION

Turn right/left to heading assigned by tower, expect vectors to OPIHI INT, maintain 5000'; then via (transition). Expect clearance to enroute altitude/flight level at OPIHI INT.

CARRP TRANSITION (OPIHI2.CARRP): From over OPIHI INT via right turn to intercept MKK R-254 to HNL R-204, then via HNL R-204 to HNL 100 DME, then via course 204° to CARRP WP.

CHOKO TRANSITION (OPIHI2.CHOKO): From over OPIHI INT via right turn to intercept MKK R-254 to HNL R-241 to BINJO DME, then via course 241° to CHOKO WP.

DOVRR TRANSITION (OPIHI2.DOVRR): From over OPIHI INT via HNL R-187 to HNL 50 DME, then via left turn heading 153° RNAV course to DOVRR WP.

PALAY TWO DEPARTURE (PALAY2.PALAY)

HONOLULU INTL (HNL) (PHNL)
HONOLULU, HAWAII

ATIS
127.9 251.15
CLNC DEL
121.4 281.4
GND CON
121.9 348.6
HONOLULU TOWER
118.1 257.8
HCF APPROACH
NORTH 119.1 239.05
EAST 124.8 317.6
WEST 118.3 269.0

HONOLULU
114.8 HNL
Chan 95

KOKO HEAD
113.9 CKH
Chan 86

MOLOKAI
116.1 MKK
Chan 108
N21° 08.29′-W157°10.05′

LANAI
117.7 LNY
Chan 124
N20°45.87′-W156°58.13′

R-240
R-110
2500
24
23
V8
4000
074°
(13)
PALAY
N21° 06.35′
W157°34.22′
LOKIE
N21° 07.44′
W157°20.70′
R-254
(10)
R-190
4000
110°
(21)
V2
R-305
ROSHE
N20°55.60′
W157°15.23′
4000
110°
(19)
R-290

NOTE: Departures from Runways 4L/R and 8L/R must complete right turn to assigned heading within 2 NM of runway departure end (HNL 3.6 DME). Cross CKH R-240 at or above 2500′. Departures from Runways 26L/R must complete left turn to assigned heading within 2 NM of runway departure end (HNL 3 DME).

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

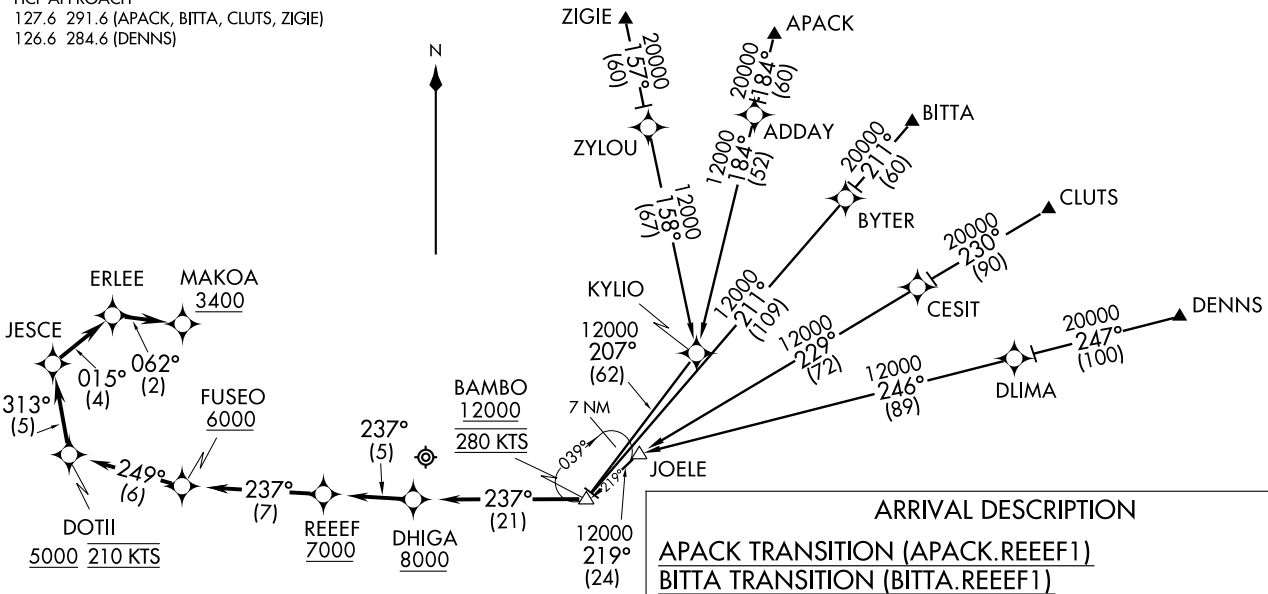
Turn right/left to heading as assigned by tower, expect vectors to PALAY INT, maintain 5000′; then via (transition). Expect clearance to enroute altitude/flight level at LNY VORTAC.

LANAI TRANSITION (PALAY2.LNY): From over PALAY INT via HNL R-110 and LNY R-290 to LNY VORTAC.

MOLOKAI TRANSITION (PALAY2.MKK): From over PALAY INT via MKK R-254 to MKK VORTAC.

REEEF ONE ARRIVAL (RNAV)

HCF APPROACH
127.6 291.6 (APACK, BITTA, CLUTS, ZIGIE)
126.6 284.6 (DENNS)



NOTE: Turbojet aircraft descend via mach number until transition to 280 KIAS. Maintain 280 KIAS until 10,000 MSL.
NOTE: Expect PHNL ILS RWY 8L approach at MAKOA.
NOTE: GPS Required.
NOTE: RADAR Required.
NOTE: RNAV 1.

NOTE: Chart not to scale.

ARRIVAL DESCRIPTION

APACK TRANSITION (APACK.REEEF1)
BITTA TRANSITION (BITTA.REEEF1)
CLUTS TRANSITION (CLUTS.REEEF1)
DENNS TRANSITION (DENNS.REEEF1)
ZIGIE TRANSITION (ZIGIE.REEEF1)

From BAMBO FIX as depicted to MAKOA WP. Cross DIGHA WP at/above 8,000 ft, cross REEEF WP at/above 7,000 ft, cross FUSEO WP at/above 6,000 ft, cross DOTII WP at/above 5,000 ft at 210 knots, cross MAKOA WP at/above 3,400 ft.

LOST COMMUNICATIONS: Descend via the REEEF Arrival, at MAKOA cleared PHNL ILS RWY 8L approach.

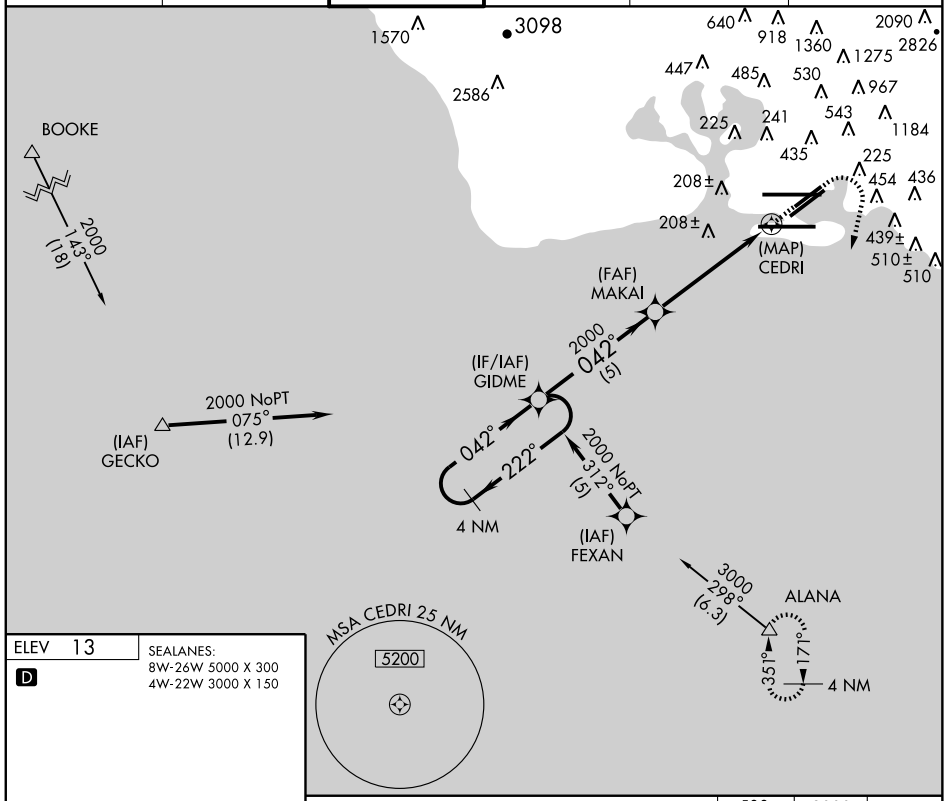
APP CRS	Rwy ldg	6398
042°	TDZE	10
	Apt Elev	13

RNAV (GPS) RWY 4L
HONOLULU INTL (HNL) (PHNL)

T A NA GPS or RNP-0.3 Required. DME/DME RNP-0.3 NA. Cats. A, B, C circling not authorized northwest of airport between Rwys 8L-26R and 4L-22R. Cats. D, E circling not authorized north of Rwy 4L-22R.

MISSED APPROACH: Climb to 500 then climbing right turn to 3000 direct to ALANA WP and hold.

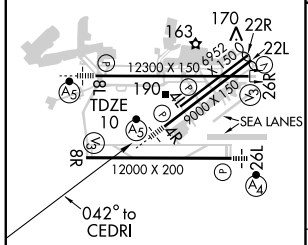
ATIS	HCF APPROACH	HONOLULU TOWER	GND CON	CLNC DEL	RAMP CONTROL
127.9 251.15	118.3 269.0	118.1 257.8	121.9 348.6	121.4 281.4	121.8

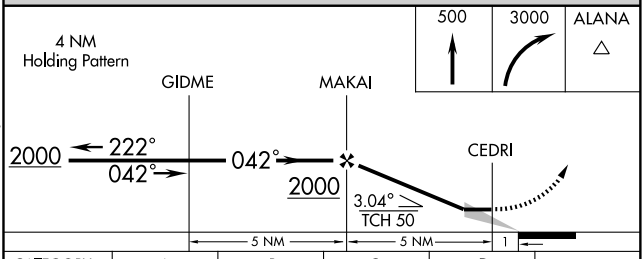


ELEV 13

D

SEALANES:
8W-26W 5000 X 300
4W-22W 3000 X 150





CATEGORY	A	B	C	D	E
LNAV MDA	460-1¼ 450 (500-1¼)			460-1½ 450 (500-1½)	
CIRCLING	620-1¼ 607 (700-1¼)		620-1¾ 607 (700-1¾)	820-2½ 807 (900-2½)	1500-3 1487 (1500-3)

MIRL Rwy 4L-22R
REIL Rwys 4L, 8R, 22L, 22R and 26R
HIRL Rwys 4R-22L, 8L-26R and 8R-26L

PAC. 03 JUN 2010 to 29 JUL 2010

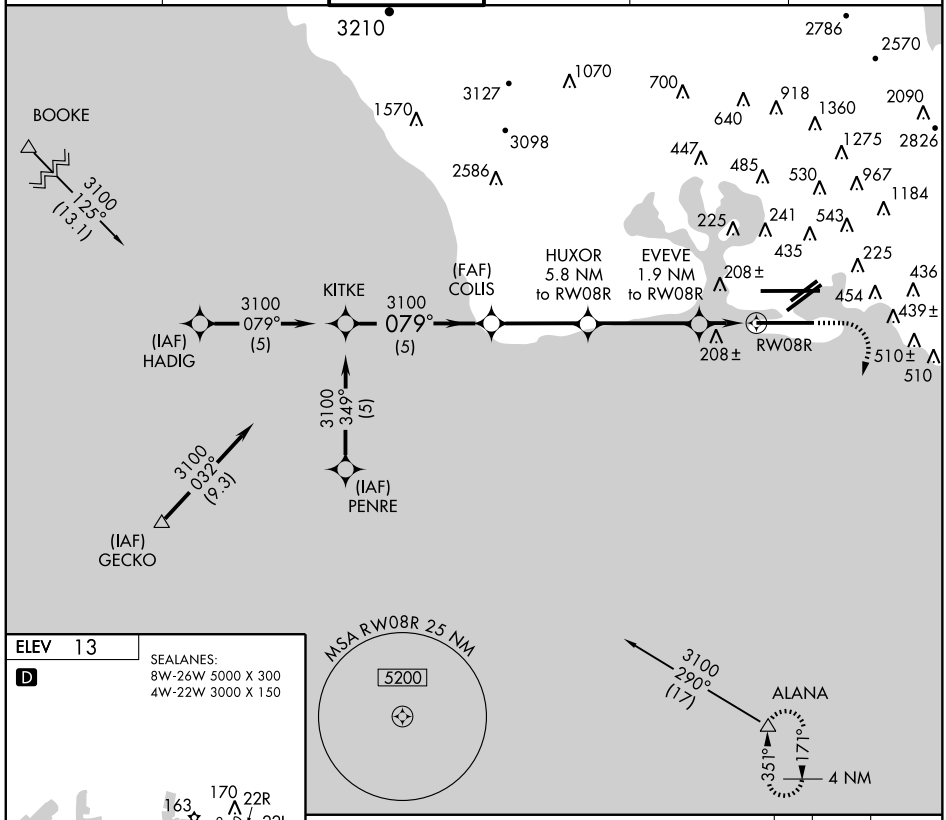
APP CRS	Rwy ldg	12000
079°	TDZE	10
	Apt Elev	13

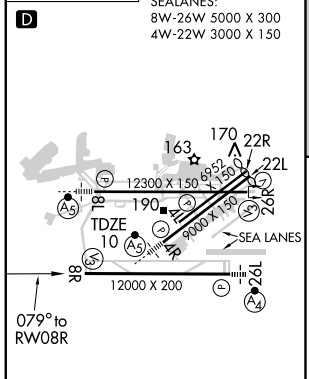
RNAV (GPS) RWY 8R
HONOLULU INTL (HNL) (PHNL)

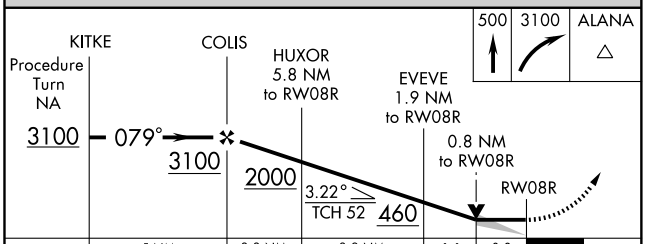
T A NA Cat. A, B, C circling NA northwest of airport between Rwys 8L-26R and 4L-22R. Cat. D, E circling NA north of Rwy 4L-22R.
GPS or RNP-0.3 Required. DME/DME RNP-0.3 NA.

MISSED APPROACH: Climb to 500 then climbing right turn to 3100 direct ALANA WP and hold.

ATIS	HCF APPROACH	HONOLULU TOWER	GND CON	CLNC DEL	RAMP CONTROL
127.9 251.15	118.3 269.0	118.1 257.8	121.9 348.6	121.4 281.4	121.8







CATEGORY	A	B	C	D	E
LNAV MDA	320-1 310 (400-1)				
CIRCLING	620-1 607 (700-1)		620-1¾ 607 (700-1¾)	820-2½ 807 (900-2½)	1500-3 1487(1500-3)

MIRL Rwy 4L-22R
REIL Rwys 4L, 8R, 22L, 22R and 26R
HIRL Rwys 4R-22L, 8L-26R and 8R-26L

PAC, 03 JUN 2010 to 29 JUL 2010

APP CRS	Rwy ldg	9000
042°	TDZE	9
	Apt Elev	13

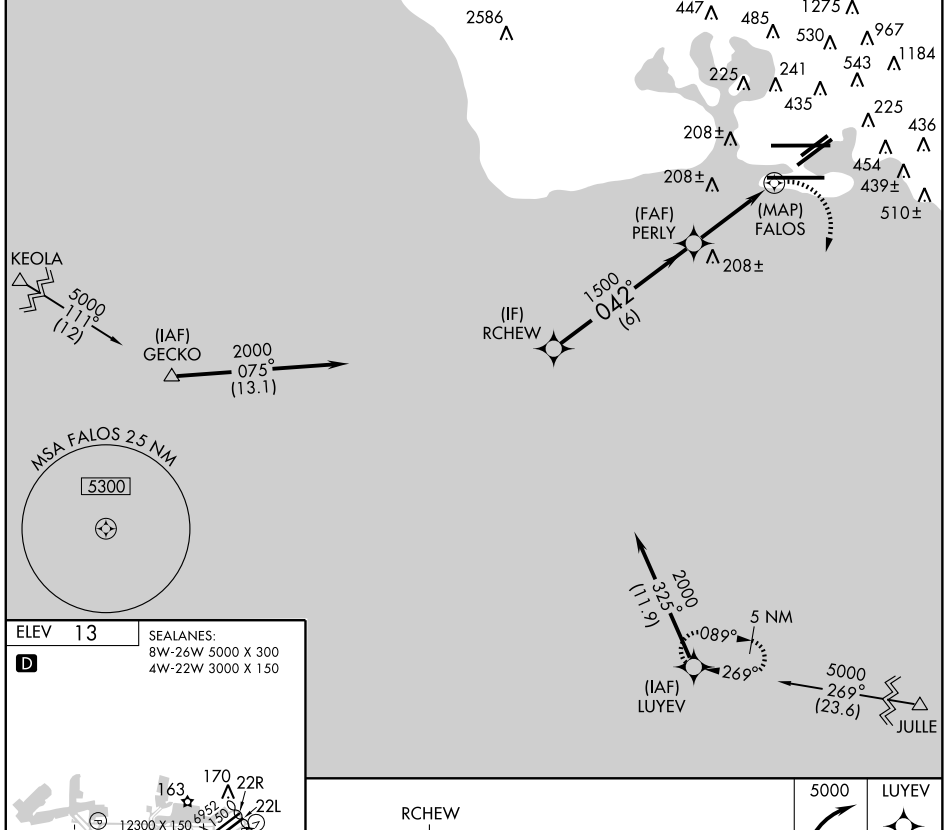
RNAV (GPS) Y RWY 4R
HONOLULU INTL (HNL) (PHNL)

DME/DME RNP-0.3 NA. For inoperative MALSR increase Cat E visibility to 1½. Cat A,B,C circling NA NW of airport between Rwys 8L-26R and 4L-22R.
Cat D, E circling NA N of Rwy 8L-26R.

MALSR

MISSED APPROACH: Climbing right turn to 5000 direct LUYEV and hold, continue climb-in-hold to 5000.

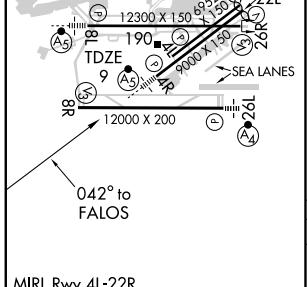
ATIS	HCF APPROACH	HONOLULU TOWER	GND CON	CLNC DEL	RAMP CONTROL
127.9 251.15	118.3 269.0	118.1 257.8	121.9 348.6	121.4 281.4	121.8

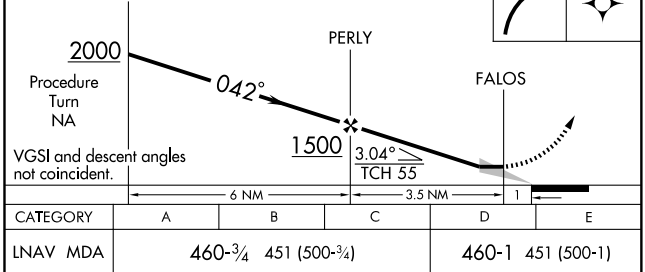


ELEV 13

D

SEALANES:
8W-26W 5000 X 300
4W-22W 3000 X 150





CATEGORY	A	B	C	D	E
LNAV MDA	460-¾ 451 (500-¾)			460-1 451 (500-1)	
CIRCLING	620-1¼ 607 (700-1¼)		620-1¾ 607 (700-1¾)	820-2½ 807 (900-2½)	1500-3 1487 (1500-3)

MIRL Rwy 4L-22R
REIL Rwys 4L, 8R, 22L, 22R and 26R
HIRL Rwys 4R-22L, 8L-26R and 8R-26L

PAC, 03 JUN 2010 to 29 JUL 2010

APP CRS	Rwy ldg	12300
079°	TDZE	13
	Apt Elev	13

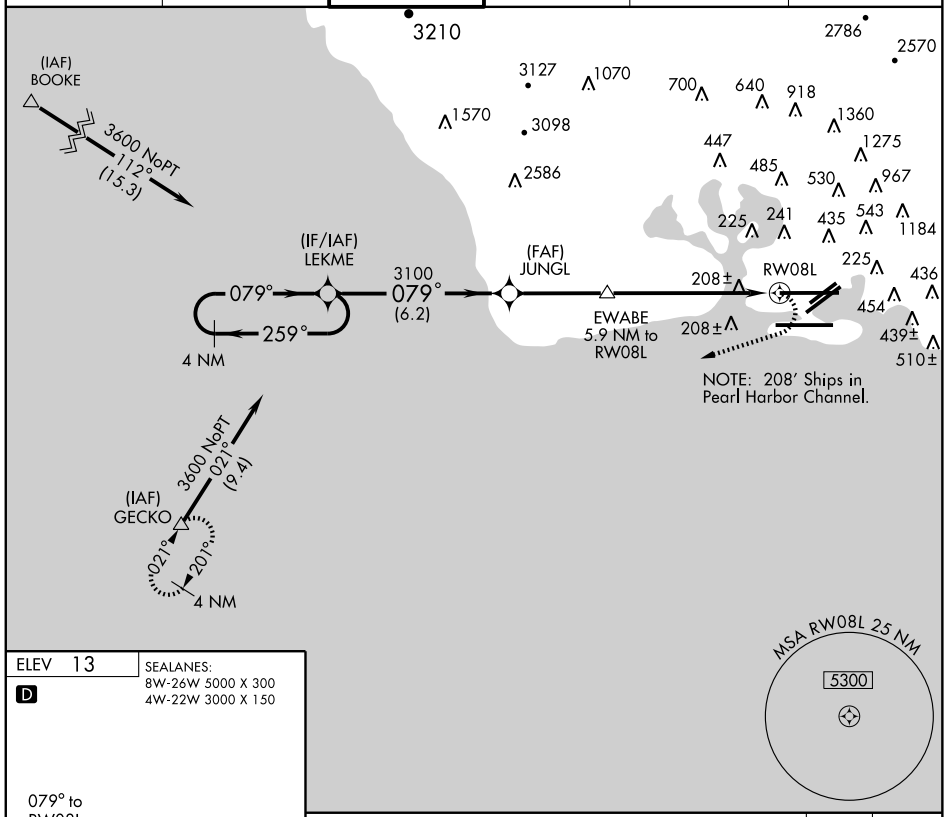
RNAV (GPS) Y RWY 8L
HONOLULU INTL (HNL) (PHNL)

DME/DME RNP-0.3 NA Cat. A, B, C circling NA northwest of airport between Rwys 8L-26R and 4L-22R. Cat. D, E circling NA north of Rwy 8L-26R.

MALSR

MISSED APPROACH: Climbing right turn to 3600 direct GECKO and hold.

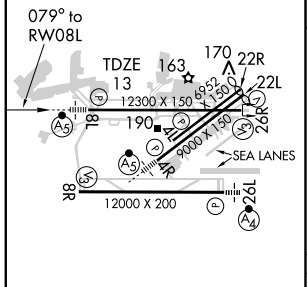
ATIS	HCF APPROACH	HONOLULU TOWER	GND CON	CLNC DEL	RAMP CONTROL
127.9 251.15	118.3 269.0	118.1 257.8	121.9 348.6	121.4 281.4	121.8

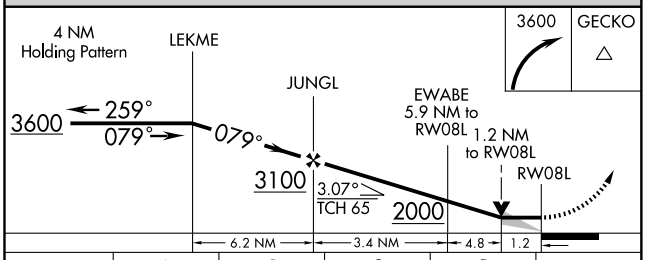


ELEV 13

D

SEALANES:
8W-26W 5000 X 300
4W-22W 3000 X 150





CATEGORY	A	B	C	D	E
LNAV MDA	460-½ 447 (500-½)		460-¾ 447 (500-¾)	460-1 447 (500-1)	
CIRCLING	620-1 607 (700-1)		620-1¾ 607 (700-1¾)	820-2½ 807 (900-2½)	1660-3 1647 (1700-3)

MIRL Rwy 4L-22R
REIL Rwys 4L, 8R, 22L, 22R and 26R
HIRL Rwys 4R-22L, 8L-26R and 8R-26L

PAC, 03 JUN 2010 to 29 JUL 2010

APP CRS	Rwy ldg	12000
259°	TDZE	10
	Apt Elev	13

RNAV (RNP) RWY 26L
HONOLULU INTL (HNL) (PHNL)

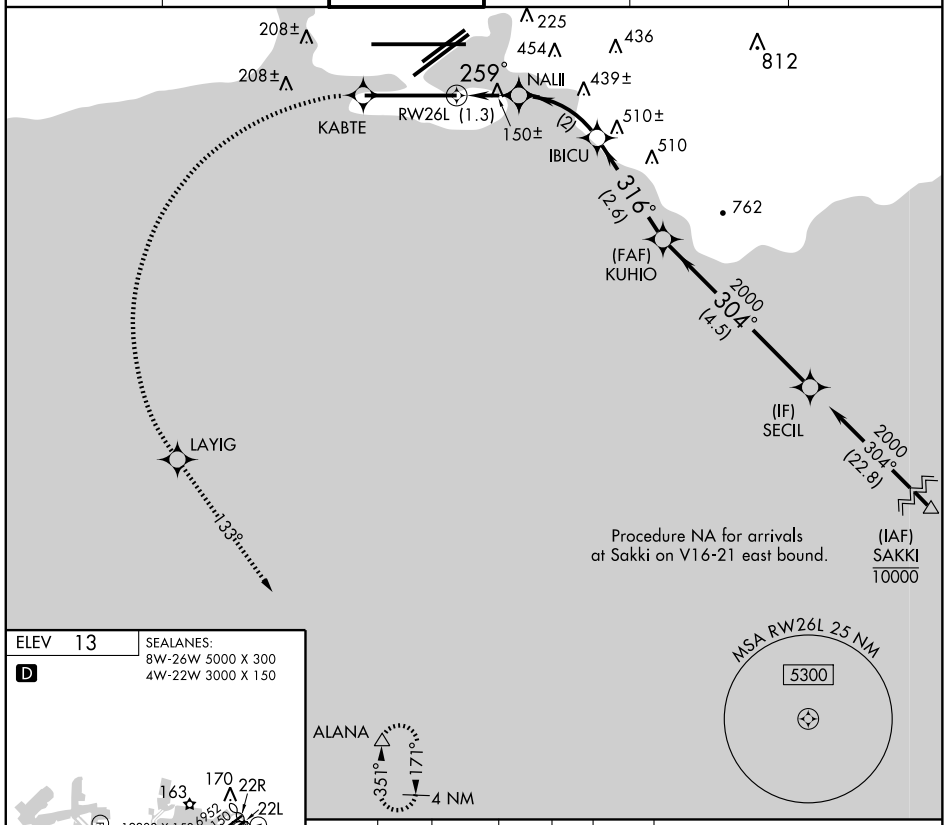
RF and GPS REQUIRED. For uncompensated Baro-VNAV systems, procedure NA below 15°C (58°F) or above 49°C (121°F). For inoperative MALSF, increase RNP 0.15 visibility to 1 all Cats.
* Missed approach requires a minimum climb of 234′ per NM to 300.

NA

MALSF

MISSED APPROACH: Climb to 3000 via 259° track to KABTE, left turn via 4.9 radius to LAYIG, 133° track to ALANA and hold.

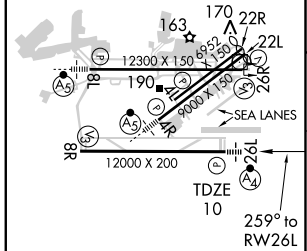
ATIS	HCF APPROACH	HONOLULU TOWER	GND CON	CLNC DEL	RAMP CONTROL
127.9 251.15	118.3 269.0	118.1 257.8	121.9 348.6	121.4 281.4	121.8

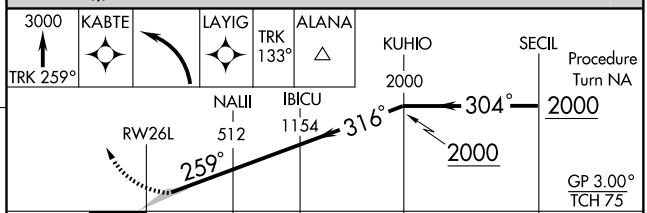


ELEV 13

D

SEALANES:
8W-26W 5000 X 300
4W-22W 3000 X 150





CATEGORY	A	B	C	D
RNP 0.15 DA*	260-½ 250 (300-½)			

MIRL Rwy 4L-22R
REIL Rwys 4L, 8R, 22L, 22R and 26R
HIRL Rwys 4R-22L, 8L-26R and 8R-26L

SPECIAL AIRCRAFT & AIRCREW AUTHORIZATION REQUIRED

APP CRS	Rwy ldg	9000
042°	TDZE	9
	Apt Elev	13

RNAV (RNP) Z RWY 4R
HONOLULU INTL (HNL) (PHNL)

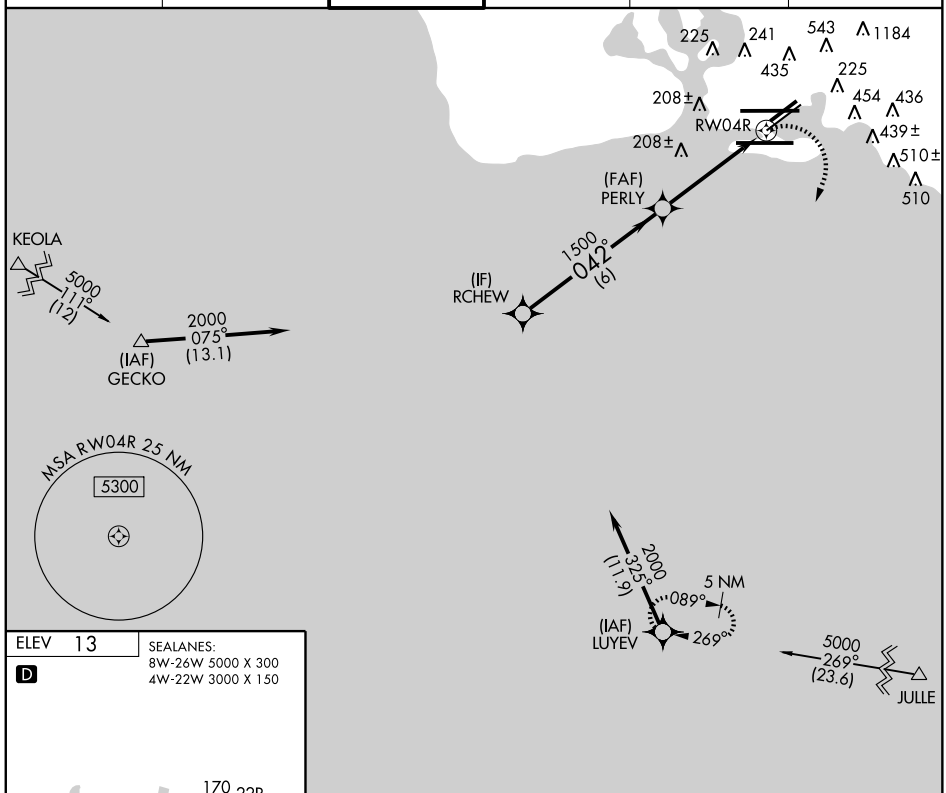
GPS Required. For uncompensated Baro-VNAV systems, procedure NA below 16°C (60°F) or above 48°C (119°F). For inoperative MALSR, increase RNP 0.30 visibility to 2¼.

NA

MALSR

MISSED APPROACH: Climbing right turn to 5000 direct LUYEV and hold.

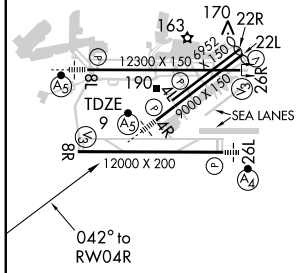
ATIS	HCF APPROACH	HONOLULU TOWER	GND CON	CLNC DEL	RAMP CONTROL
127.9 251.15	118.3 269.0	118.1 257.8	121.9 348.6	121.4 281.4	121.8



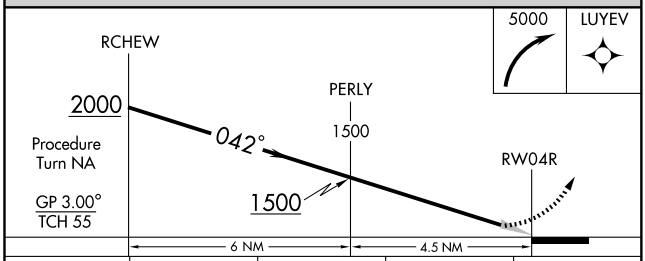
ELEV 13

D

SEALANES:
8W-26W 5000 X 300
4W-22W 3000 X 150



MIRL Rwy 4L-22R
REIL Rwys 4L, 8R, 22L, 22R and 26R
HIRL Rwys 4R-22L, 8L-26R and 8R-26L



CATEGORY	A	B	C	D
RNP 0.30 DA	658-1¾ 649 (700-1¾)			

SPECIAL AIRCRAFT & AIRCREW AUTHORIZATION REQUIRED

APP CRS	Rwy ldg	12300
079°	TDZE	13
	Apt Elev	13

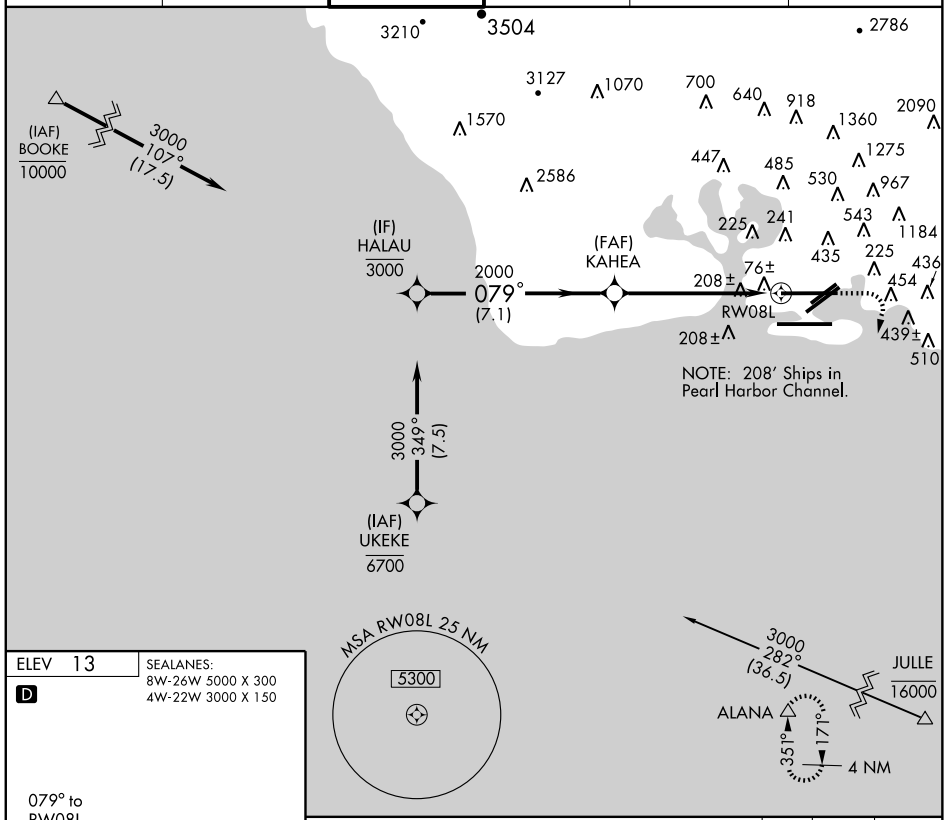
RNAV (RNP) Z RWY 8L
HONOLULU INTL (HNL) (PHNL)

T NA GPS REQUIRED. For uncompensated Baro-VNAV systems, procedure NA below 15°C (58°F) or above 49°C (121°F). For inoperative MALSR increase RNP 0.30 visibility to 1¼ all Cats.

MALSR A5

MISSED APPROACH: Climb to 700 then climbing right turn to 3000 direct ALANA and hold.

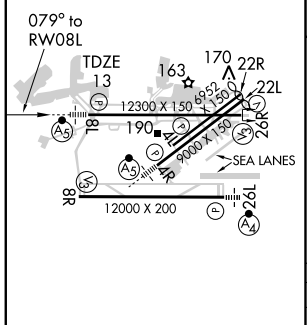
ATIS	HCF APPROACH	HONOLULU TOWER	GND CON	CLNC DEL	RAMP CONTROL
127.9 251.15	118.3 269.0	118.1 257.8	121.9 348.6	121.4 281.4	121.8



ELEV 13

D

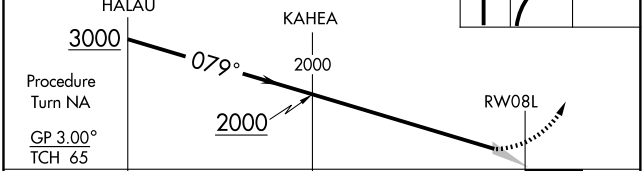
SEALANES:
8W-26W 5000 X 300
4W-22W 3000 X 150



MIRL Rwy 4L-22R
REIL Rwys 4L, 8R, 22L, 22R and 26R
HIRL Rwys 4R-22L, 8L-26R and 8R-26L

VGSI and RNAV glidepath not coincident.

700	3000	ALANA
↑	↗	△



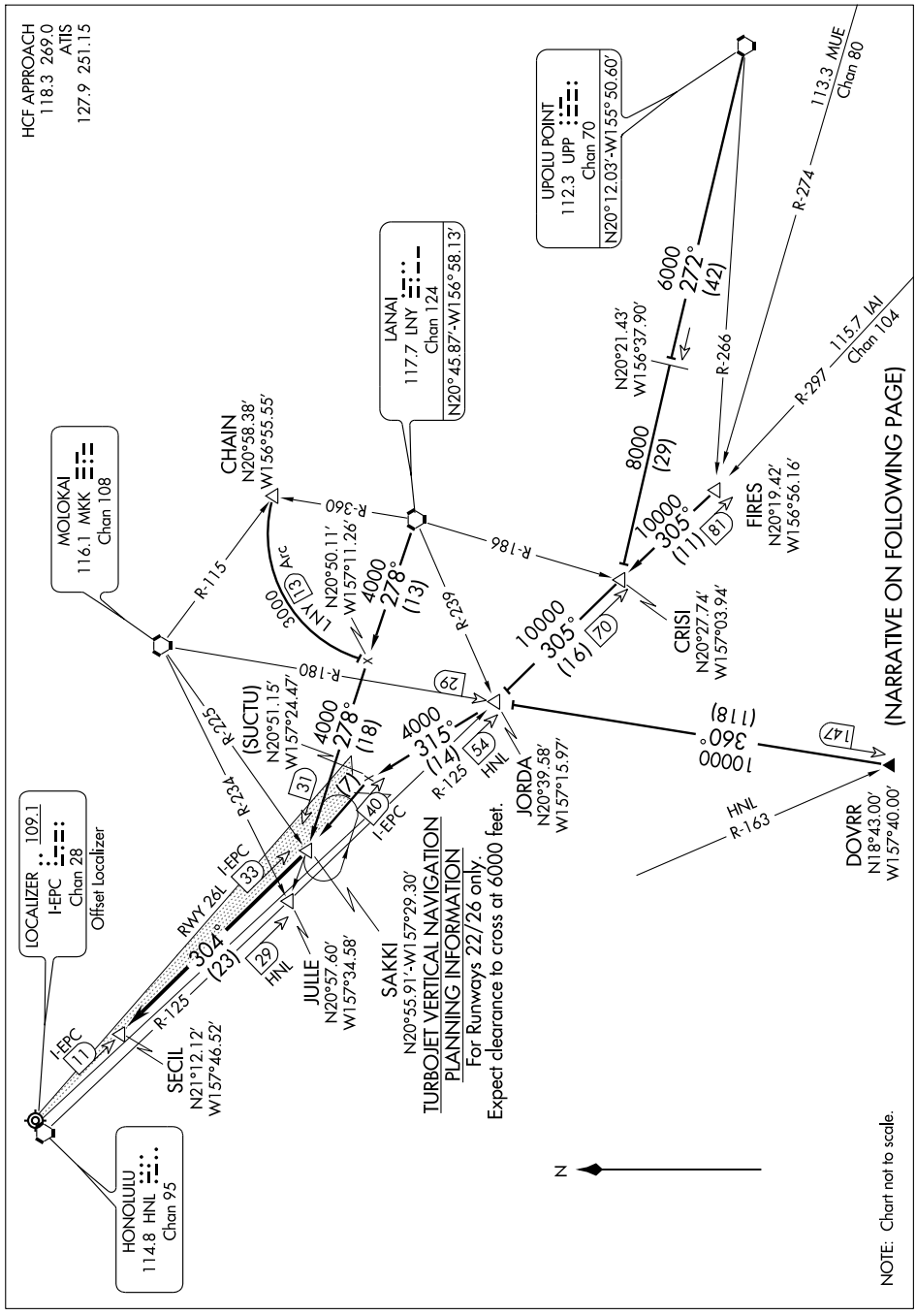
CATEGORY	A	B	C	D
RNP 0.30 DA	344-¾ 331 (400-¾)			

SPECIAL AIRCRAFT & AIRCREW AUTHORIZATION REQUIRED

PAC: 03 JUN 2010 to 29 JUL 2010

SAKKI FOUR ARRIVAL (SAKKI.SAKKI4)

HONOLULU INTL (HNL) (PHNL)
HONOLULU, HAWAII



SAKKI FOUR ARRIVAL (SAKKI.SAKKI4)

ARRIVAL DESCRIPTION

CHAIN TRANSITION (CHAIN.SAKKI4): From over CHAIN INT via LNY 13 DME Arc to intercept LNY R-278 to SAKKI INT. Thence....
DOVRR TRANSITION (DOVRR.SAKKI4): From over DOVRR INT via MKK R-180 to JORDA INT, left turn heading 315° to join I-EPC LDA course at 40 DME to SAKKI INT. Thence....
FIRES TRANSITION (FIRES.SAKKI4): From over FIRES INT via HNL R-125 to JORDA INT, right turn heading 315° to join I-EPC LDA course at 40 DME to SAKKI INT. Thence....
LANAI TRANSITION (LNY.SAKKI4): From over LNY VORTAC via LNY R-278 to SAKKI INT. Thence....
UPOLU TRANSITION (UPP.SAKKI4): From over UPP VORTAC via UPP R-272 and HNL R-125 to JORDA INT, right turn heading 315° to join I-EPC LDA course at 40 DME to SAKKI INT. Thence....
....For Runways 22/26 only: From over SAKKI INT via the LDA/DME Runway 26L course to SECIL DME.

PAC, 03 JUN 2010 to 29 JUL 2010

VORTAC HNL 114.8 Chan 95	APP CRS 037°	Rwy ldg N/A TDZE N/A Apt Elev 13

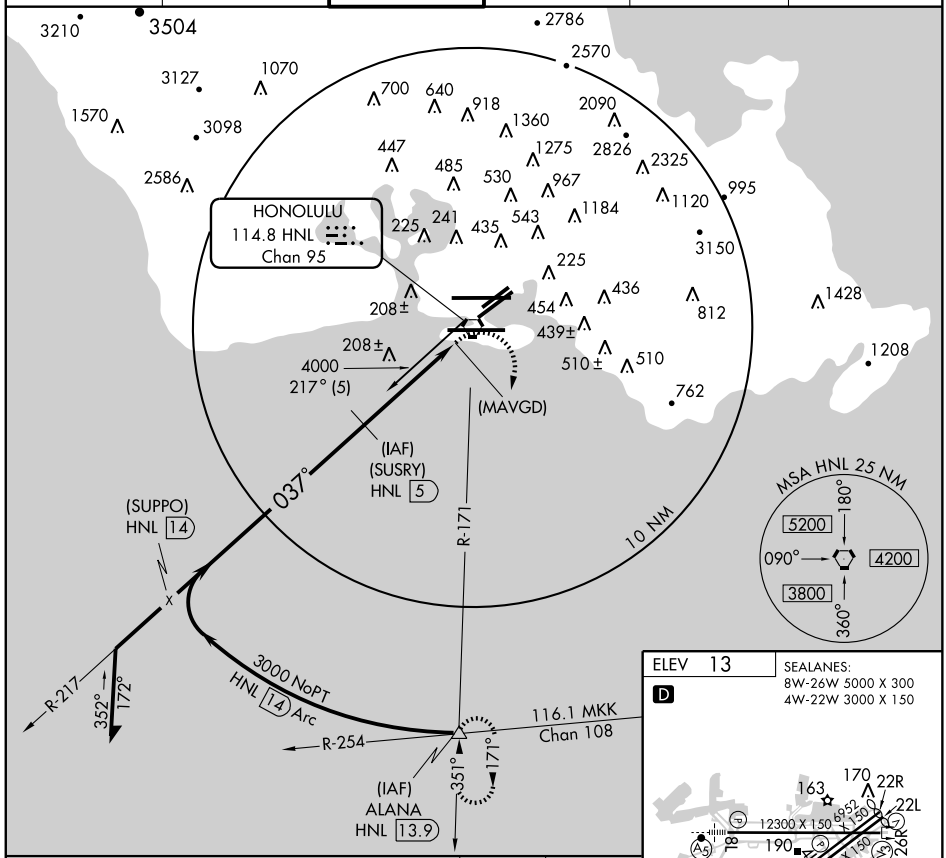
VOR/DME or TACAN or GPS-B

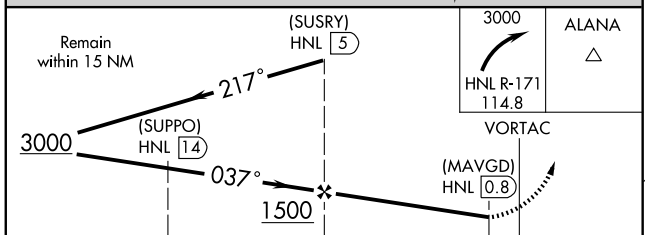
HONOLULU INTL (HNL) (PHNL)

Cat. A, B, C circling not authorized northwest of airport between Rwys 8L-26R and 4L-22R. Cat. D circling not authorized north of Rwy 8L-26R. Cat. E circling not authorized north of Rwy 8R-26L.

MISSED APPROACH: Climbing right turn to 3000 via HNL R-171 to ALANA/HNL 13.9 DME and hold.

ATIS	HCF APPROACH	HONOLULU TOWER	GND CON	CLNC DEL	RAMP CONTROL
127.9 251.15	118.3 269.0	118.1 257.8	121.9 348.6	121.4 281.4	121.8



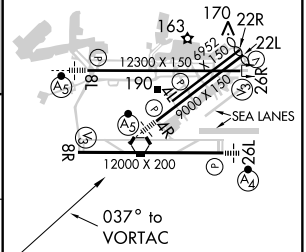


CATEGORY	A	B	C	D	E
CIRCLING	620-1 607 (700-1)		620-1¾ 607 (700-1¾)	760-2½ 747 (800-2½)	860-3 847 (900-3)

ELEV 13

D

SEALANES:
8W-26W 5000 X 300
4W-22W 3000 X 150



MIRL Rwy 4L-22R
REIL Rwys 4L, 8R, 22L, 22R and 26R
HIRL Rwys 4R-22L, 8L-26R and 8R-26L

PAC, 03 JUN 2010 to 29 JUL 2010

VORTAC HNL 114.8 Chan 95	APP CRS 305°	Rwy ldg N/A TDZE N/A Apt Elev 13

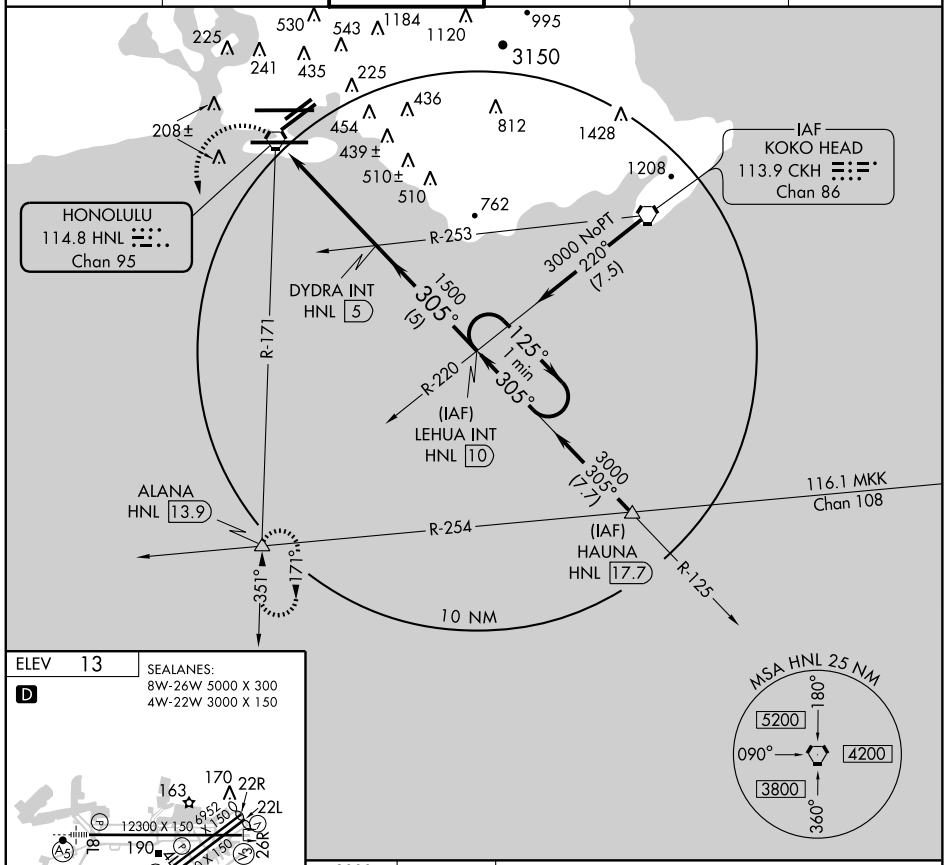
VOR or TACAN or GPS-A

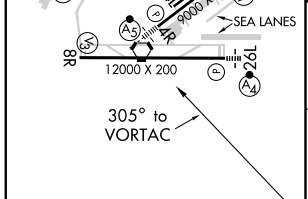
HONOLULU INTL (HNL) (PHNL)

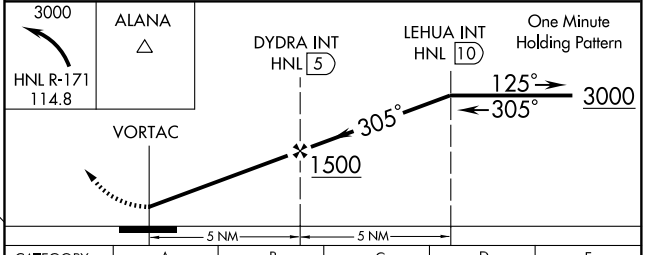
Cat. A, B, C circling not authorized northwest of airport between Rwys 8L-26R and 4L-22R; Cat. D, E circling not authorized north of Rwy 8L-26R.

MISSED APPROACH: Climbing left turn to 3000 via HNL R-171 to ALANA Int/HNL 13.9 DME and hold.

ATIS	HCF APPROACH	HONOLULU TOWER	GND CON	CLNC DEL	RAMP CONTROL
127.9 251.15	118.3 269.0	118.1 257.8	121.9 348.6	121.4 281.4	121.8







MIRL Rwy 4L-22R
REIL Rwys 4L, 8R, 22L, 22R and 26R
HIRL Rwys 4R-22L, 8L-26R and 8R-26L

CATEGORY	A	B	C	D	E
CIRCLING	620-1	607 (700-1)	620-1¾ 607 (700-1¾)	760-2½ 747 (800-2½)	1500-3 1487 (1500-3)

VORTAC HNL	APP CRS	Rwy ldg	9000
114.8	018°	TDZE	9
Chan 95		Apt Elev	13

VOR or TACAN RWY 4R

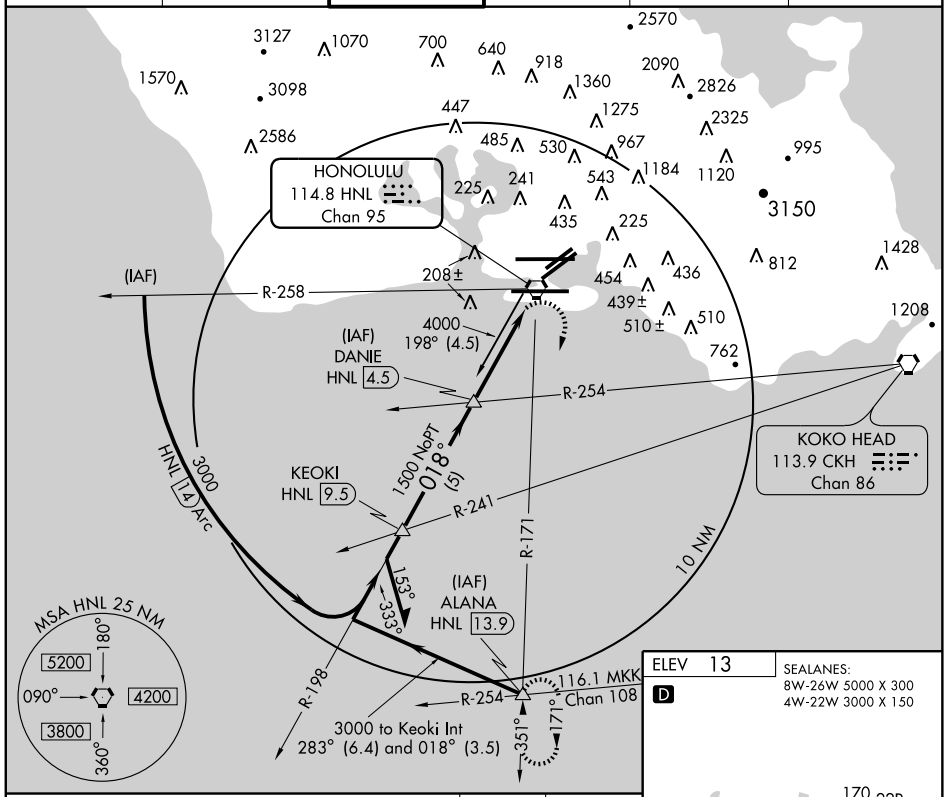
HONOLULU INTL (HNL) (PHNL)

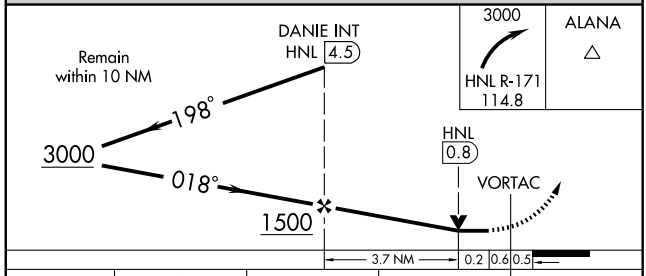
Cat. A, B, C circling not authorized northwest of airport between Rwys 8L-26R and 4L-22R. Cat. D circling not authorized north of Rwy 8L-26R. Inoperative table does not apply.

MALSR

MISSED APPROACH: Climbing right turn to 3000 via HNL R-171 to ALANA Int/HNL 13.9 DME and hold.

ATIS	HCF APPROACH	HONOLULU TOWER	GND CON	CLNC DEL	RAMP CONTROL
127.9 251.15	118.3 269.0	118.1 257.8	121.9 348.6	121.4 281.4	121.8



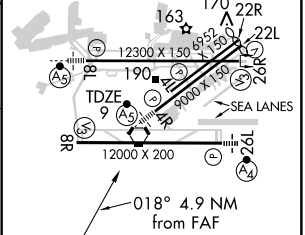


CATEGORY	A	B	C	D
S-4R	460-1	451 (500-1)	460-1¼ 451 (500-1¼)	460-1½ 451 (500-1½)
CIRCLING	620-1	607 (700-1)	620-1¾ 607 (700-1¾)	760-2½ 747 (800-2½)

ELEV 13

D

SEALANES:
8W-26W 5000 X 300
4W-22W 3000 X 150



MIRL Rwy 4L-22R
REIL Rwys 4L, 8R, 22L, 22R and 26R
HIRL Rwys 4R-22L, 8L-26R and 8R-26L

FAF to MAP 3.9 NM

Knots	60	90	120	150	180
Min:Sec	3:54	2:36	1:57	1:34	1:18

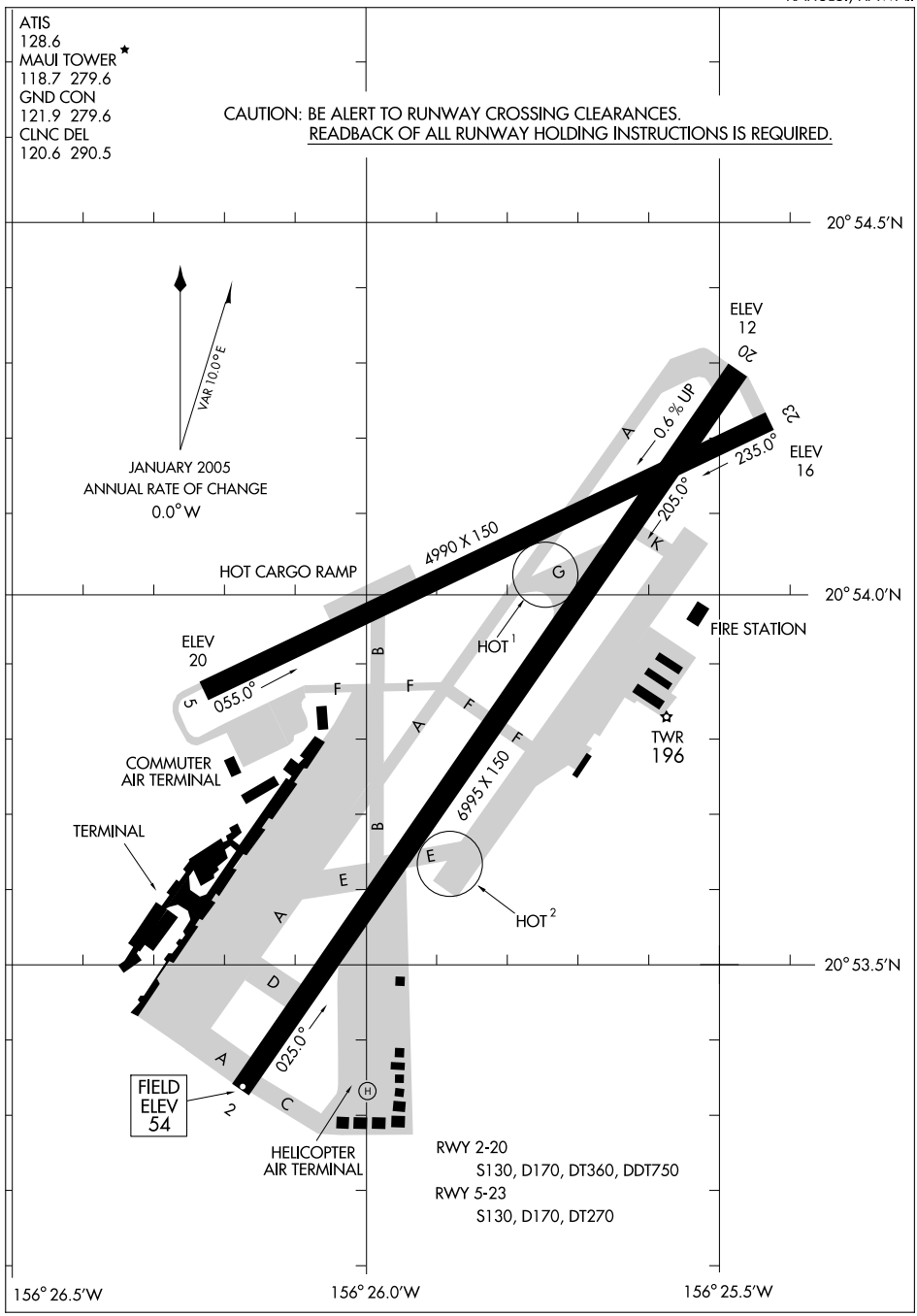
PAC. 03 JUN 2010 to 29 JUL 2010

AIRPORT DIAGRAM

AL-762 (FAA)

KAHULUI (OGG)(PHOG)

KAHULUI, HAWAII

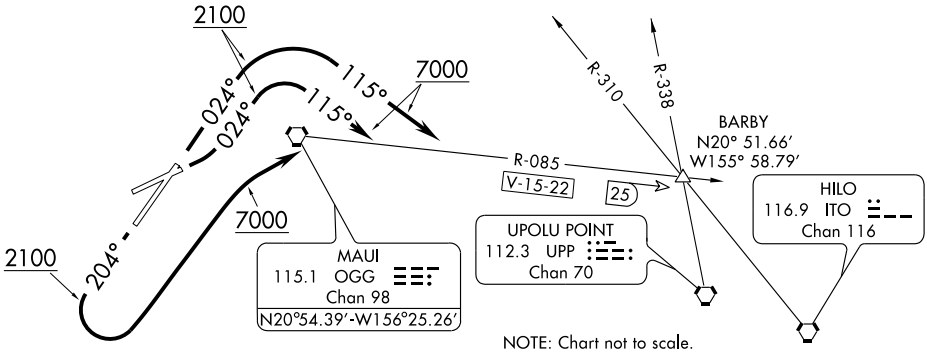


PAC, 03 JUN 2010 to 29 JUL 2010

BARBY ONE DEPARTURE

ATIS 128.6
CLNC DEL
120.6 290.5
GND CON
121.9 279.6
MAUI TOWER ★
118.7 (CTAF) 279.6
MAUI DEP CON
NORTH 120.2 322.4
SOUTH 119.5 225.4
HCF APPROACH
NORTH 120.2 322.4
SOUTH 119.5 225.4

TAKE-OFF MINIMUMS:
Rwy 23: NA Obstacle and ATC.
Rwy 2: Standard with ATC climb of 480 feet per NM to 2200.
Rwy 5: Standard with ATC climb of 480 feet per NM to 2900.
Rwy 20: Standard with minimum climb of 480 feet per NM to 2100.



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 2: Climb heading 024° to 2100 then climbing right turn to 7000 via heading 115° to intercept OGG VORTAC R-085 (V15-22) to BARBY INT/OGG 25 DME.

TAKEOFF RUNWAY 5: Climbing left turn heading 024° to 2100 then climbing right turn to 7000 via heading 115° to intercept OGG VORTAC R-085 (V15-22) to BARBY INT/OGG 25 DME.

TAKEOFF RUNWAY 20: Climb heading 204° to 2100 then climbing left turn to 7000 direct OGG VORTAC then via OGG R-085 (V15-22) to BARBY INT OGG 25 DME.

TAKEOFF OBSTACLE NOTES:

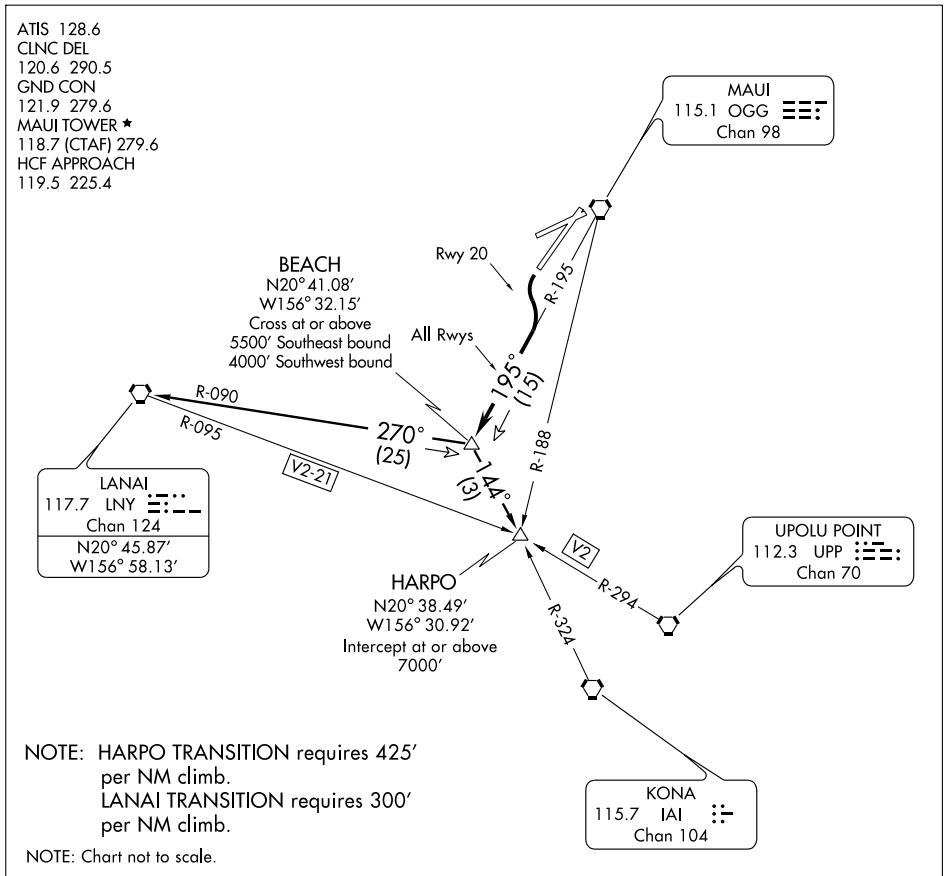
Rwy 2: Bush/trees beginning 190 feet from DER, 362 feet left of centerline, up to 60 feet AGL/79 feet MSL. Pipe on building 339 feet from DER, 289 feet right of centerline, 20 feet AGL/25 feet MSL. Bush beginning 902 feet from DER, 637 feet right of centerline, up to 20 feet AGL/39 feet MSL.

Rwy 5: Trees 2,359 feet from DER, 512 feet left of centerline, 56 feet AGL/75 feet MSL. Fence beginning 20 feet from DER, 299 feet right of centerline, up to 7 feet AGL/31 feet MSL. Bush/trees beginning 291 feet from DER, 300 feet right of centerline, up to 76 feet AGL/95 feet MSL.

Rwy 20: Bush 22 feet from DER, 236 feet right of centerline, 2 feet AGL/55 feet MSL. Bush/trees beginning 24 feet from DER, 173 feet left of centerline, up to 29 feet AGL/68 feet MSL.

PAC. 03 JUN 2010 to 29 JUL 2010

BEACH TWO DEPARTURE



DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RUNWAYS 2, 5, AND 23: Maintain flight in visual conditions until intercepting the OGG R-195, then climb southbound via the OGG R-195 to BEACH INT.

TAKE-OFF RUNWAY 20: Turn left to intercept the OGG R-195, then climb southbound via the OGG R-195 to BEACH INT.

HARPO TRANSITION (BEACH2.HARPO): Cross BEACH INT at or above 5500′, turn left, continue to climb southbound via IAI R-324 to intercept V2 at or above 7000′.

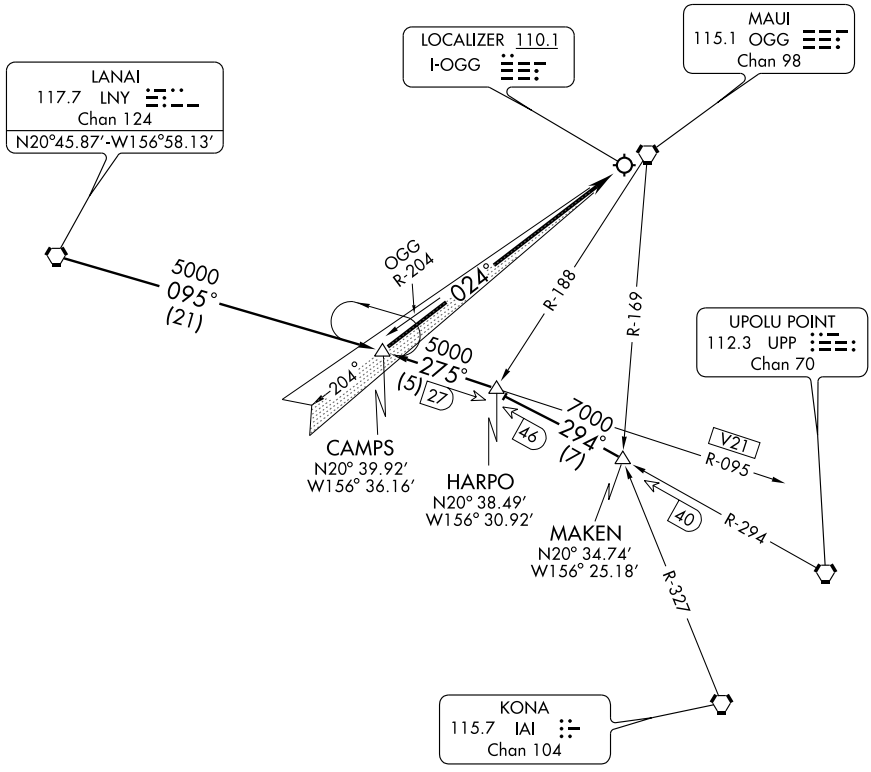
LANAI TRANSITION (BEACH2.LNY): Cross BEACH INT at or above 4000′, turn right, continue climb to 5000′ or above via LNY R-090 to LNY VORTAC.

PAC, 03 JUN 2010 to 29 JUL 2010

CAMPS TWO ARRIVAL (CAMPS.CAMPS2)

KAHULUI (OGG)(PHOG)
KAHULUI, HAWAII

ATIS
128.6
HCF APPROACH
119.5 343.8
MAUI TOWER★
118.7 279.6



NOTE: Chart not to scale.

LANAI TRANSITION (LNY.CAMPS2): From over LNY VORTAC via LNY R-095 to CAMPS INT. Thence . . . .

MAKEN TRANSITION (MAKEN.CAMPS2): From over MAKEN INT via UPP R-294 and LNY R-095 to CAMPS INT. Thence . . . .

. . . . From over CAMPS INT via I-OGG localizer course to KAHULUI AIRPORT.

PAC. 03 JUN 2010 to 29 JUL 2010

ILS or LOC RWY 2
KAHULUI (OGG)(PHOG)

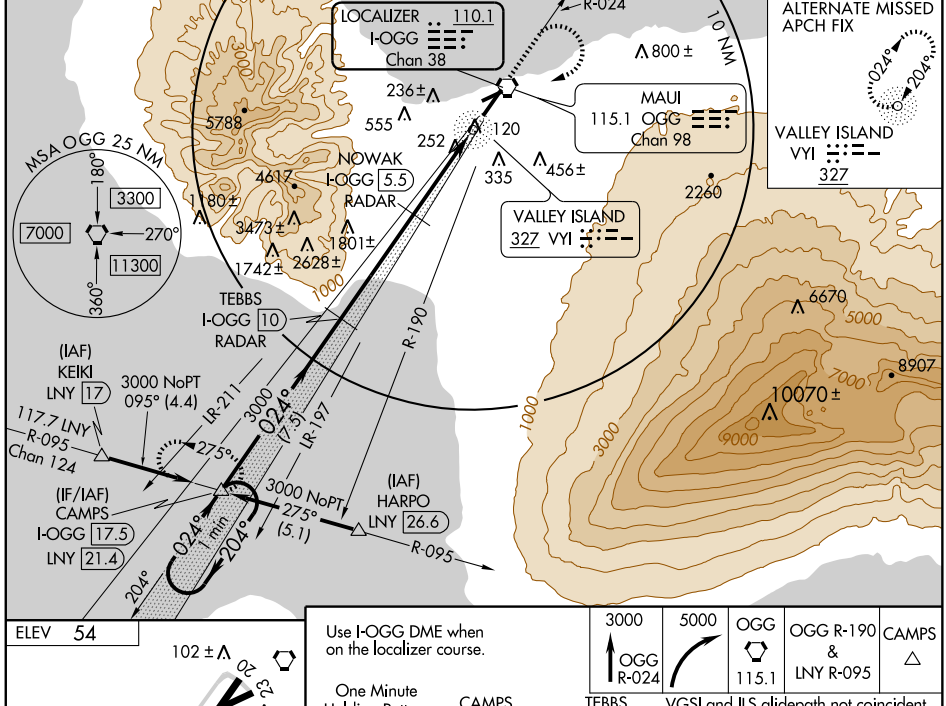
LOC/DME I-OGG	APP CRS	Rwy ldg	6995
110.1	024°	TDZE	54
Chan 38		Apt Elev	54

Inoperative table does not apply to ILS all Cats, LOC Cat A and B. DME or RADAR required. Visibility reduction by helicopters NA. For inoperative MALSR, increase NOWAK fix minimums LOC Cat A and B visibility ¼ mile, increase Cat E ½ mile.

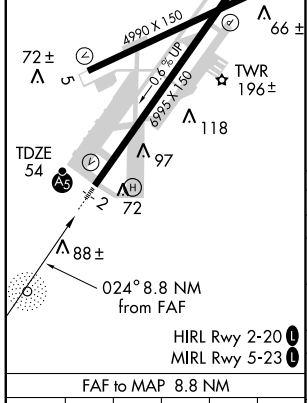
MALSR

MISSED APPROACH: Climb to 3000 via OGG R-024 then climbing right turn to 5000 direct OGG VORTAC, then via OGG R-190 and LNY R-095 to CAMPS and hold.

ATIS	HCF APPROACH	MAUI TOWER★	GND CON	CLNC DEL	UNICOM
128.6	120.2 322.4 (NORTH) 119.5 225.4 (SOUTH)	118.7 (CTAF) L 279.6	121.9 279.6	120.6 290.5	122.95



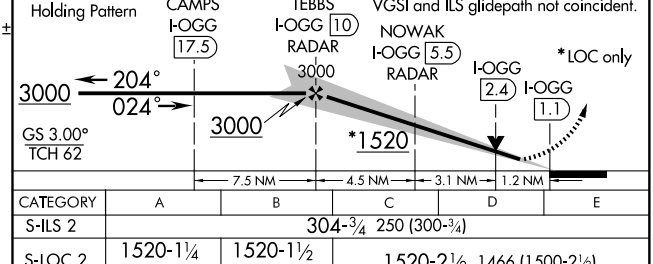
ELEV 54



HIRL Rwy 2-20 L
MIRL Rwy 5-23 L

Use I-OGG DME when on the localizer course.

One Minute Holding Pattern



VGSI and ILS glidepath not coincident.

CATEGORY	A	B	C	D	E
S-ILS 2	304-¾ 250 (300-¾)				
S-LOC 2	1520-1¼ 1466 (1500-1¼)	1520-1½ 1466 (1500-1½)	1520-2½ 1466 (1500-2½)		
CIRCLING	1520-1¼ 1466 (1500-1¼)	1520-1½ 1466 (1500-1½)	1520-3 1466 (1500-3)		
NOWAK FIX MINIMUMS					
S-LOC 2	520-¾ 466 (500-¾)			520-1 466 (500-1)	520-1¼ 466 (500-1¼)
CIRCLING	520-1 466 (500-1)	560-1 506 (600-1)	620-1½ 566 (600-1½)	660-2 606 (700-2)	1400-3 1346 (1400-3)

FAF to MAP 8.8 NM					
Knots	60	90	120	150	180
Min:Sec	8:48	5:52	4:24	3:31	2:56

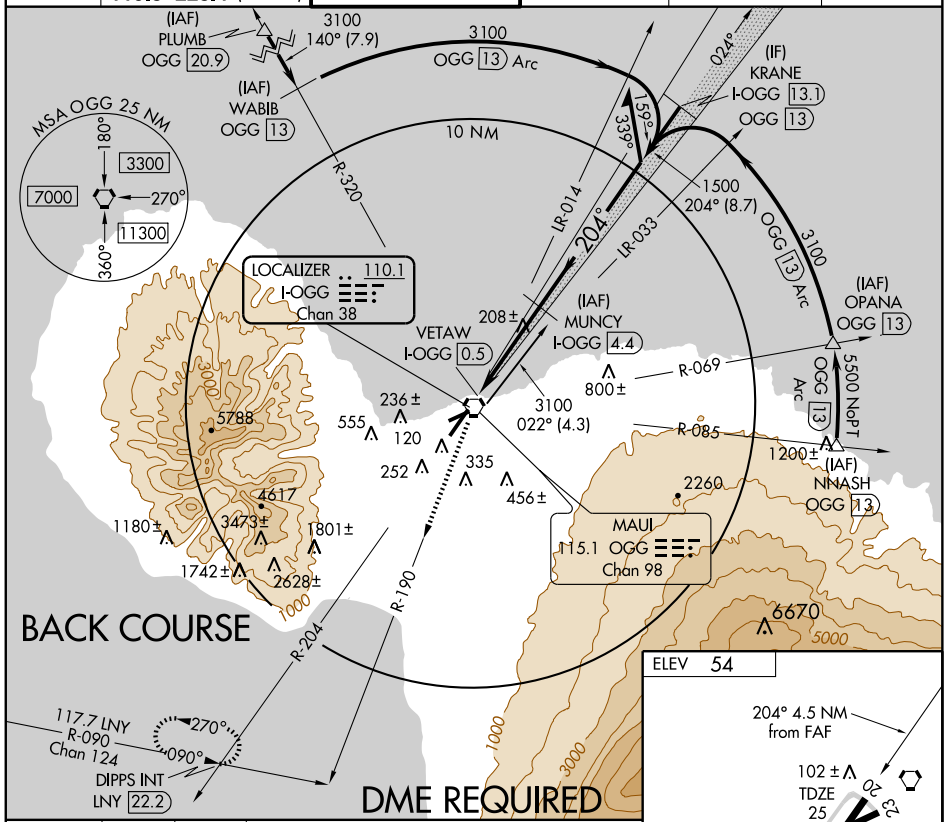
LOC/DME BC RWY 20
KAHULUI (OGG)(PHOG)

LOC/DME I-OGG	APP CRS	Rwy ldg	6995
110.1	204°	TDZE	25
Chan 38		Apt Elev	54

DME required.

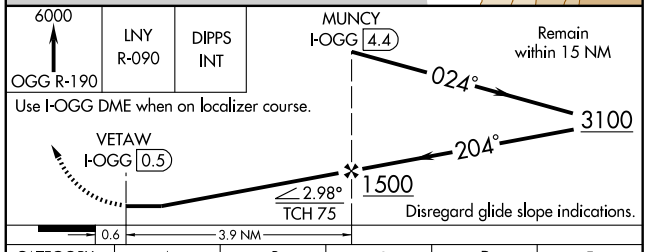
MISSED APPROACH: Climb to 6000 via OGG R-190 and LNY VORTAC R-090 to DIPPS INT and hold.

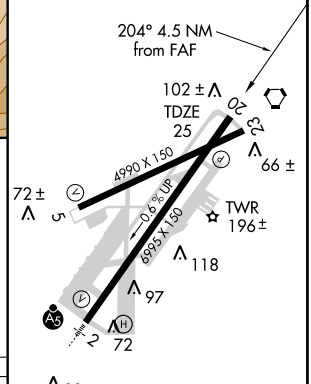
ATIS	HCF APPROACH	MAUI TOWER ★	GND CON	CLNC DEL	UNICOM
128.6	120.2 322.4 (NORTH) 119.5 225.4 (SOUTH)	118.7 (CTAF) L 279.6	121.9 279.6	120.6 290.5	122.95



6000	LNY	DIPPS
OGG R-190	R-090	INT

Use I-OGG DME when on localizer course.





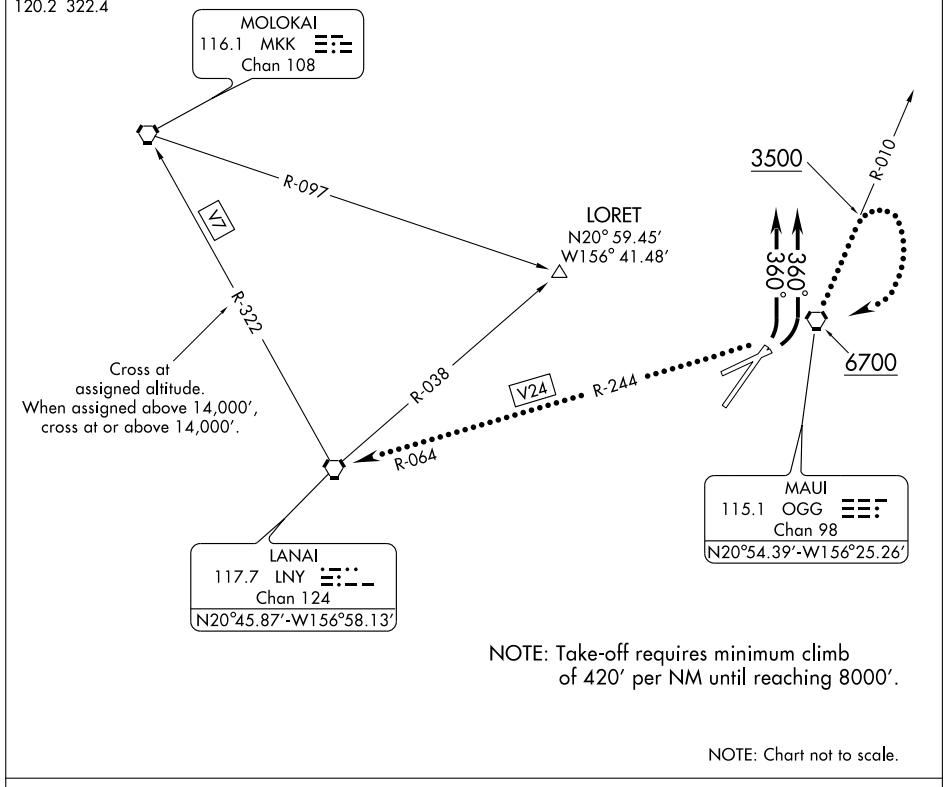
HIRL Rwy 2-20 L
MIRL Rwy 5-23 L

CATEGORY	A	B	C	D	E
S-20	460-1 435 (500-1)		460-1¼ 435 (500-1¼)	460-1½ 435 (500-1½)	
CIRCLING	500-1 446 (500-1)	560-1 506 (600-1)	620-1½ 566 (600-1½)	660-2 606 (700-2)	1400-3 1346 (1400-3)

PAC, 03 JUN 2010 to 29 JUL 2010

MAUI FIVE DEPARTURE

ATIS 128.6
CLNC DEL
120.6 290.5
GND CON
121.9 279.6
MAUI TOWER ★
118.7 (CTAF) 279.6
HCF APPROACH
120.2 322.4



NOTE: Take-off requires minimum climb of 420′ per NM until reaching 8000′.

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RUNWAYS 2 AND 5 ONLY: After take-off, all aircraft fly heading 360°, expect radar vectors west of Maui Island to assigned fix/route. Cross the LNY R-322 at assigned altitude. When assigned above 14,000′, cross at or above 14,000′.

LOST COMMUNICATIONS: If not in contact with Departure Control 1 minute after crossing the shoreline, climb northbound via the OGG R-010 until reaching at least 3500′. Then reverse course to the right direct OGG VORTAC. Then via V24 to LNY VORTAC. Cross OGG VORTAC at or above 6700′.

PAC, 03 JUN 2010 to 29 JUL 2010

NDB VYI	APP CRS	Rwy ldg	6995
327	005°	TDZE	54
		Apt Elev	54

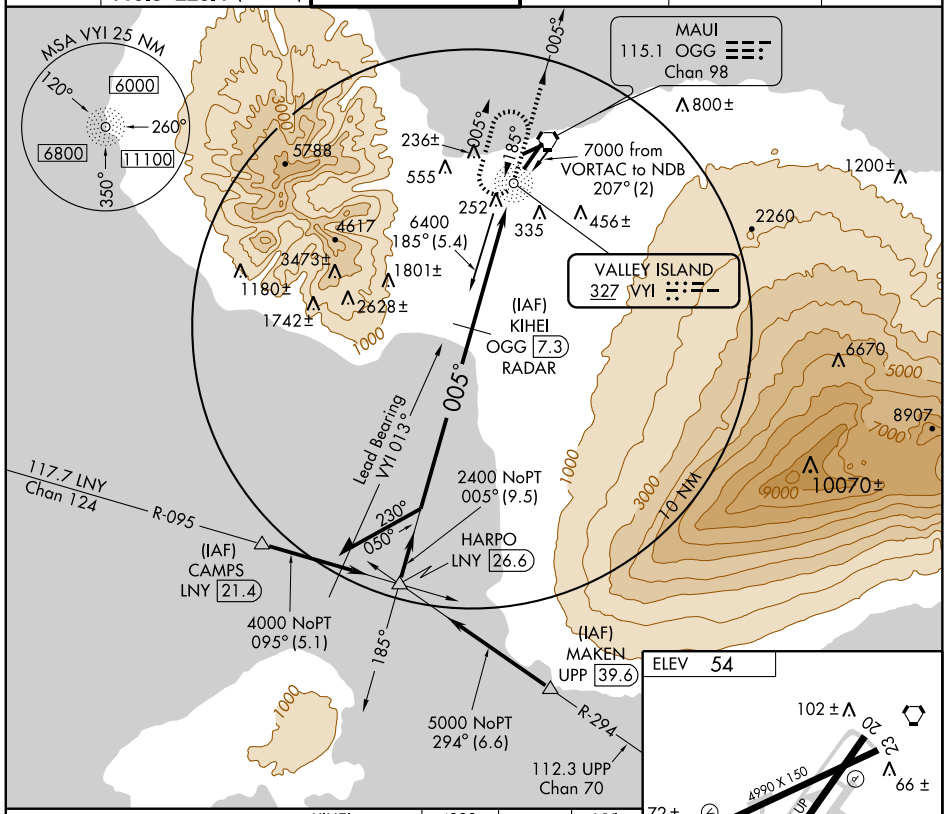
NDB/DME RWY 2

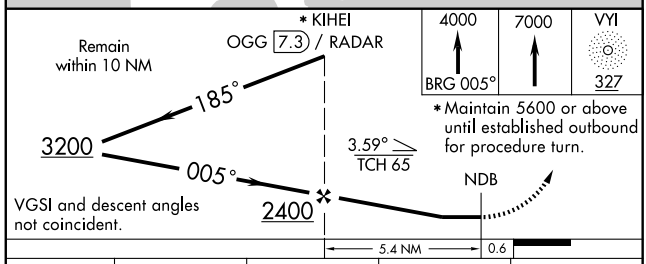
KAHULUI (OGG)(PHOG)

MALSR

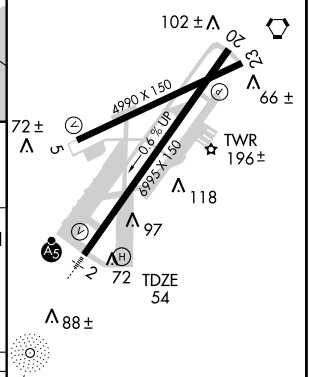
MISSED APPROACH: Climb to 4000 via 005° bearing from VYI NDB then climb to 7000 direct VYI NDB and hold.

ATIS	HCF APPROACH	MAUI TOWER ★	GND CON	CLNC DEL	UNICOM
128.6	120.2 322.4 (NORTH) 119.5 225.4 (SOUTH)	118.7 (CTAF) L 279.6	121.9 279.6	120.6 290.5	122.95





CATEGORY	A	B	C	D
S-2	640-¾ 586 (600-¾)		640-1½ 586 (600-1½)	640-1¾ 586 (600-1¾)
CIRCLING	640-1 586 (600-1)		640-1½ 586 (600-1½)	640-2 586 (600-2)



HIRL Rwy 2-20 L
MIRL Rwy 5-23 L

PAC, 03 JUN 2010 to 29 JUL 2010

APP CRS	Rwy ldg	6995
021°	TDZE	54
	Apt Elev	54

RNAV (GPS) RWY 2
KAHULUI (OGG)(PHOG)

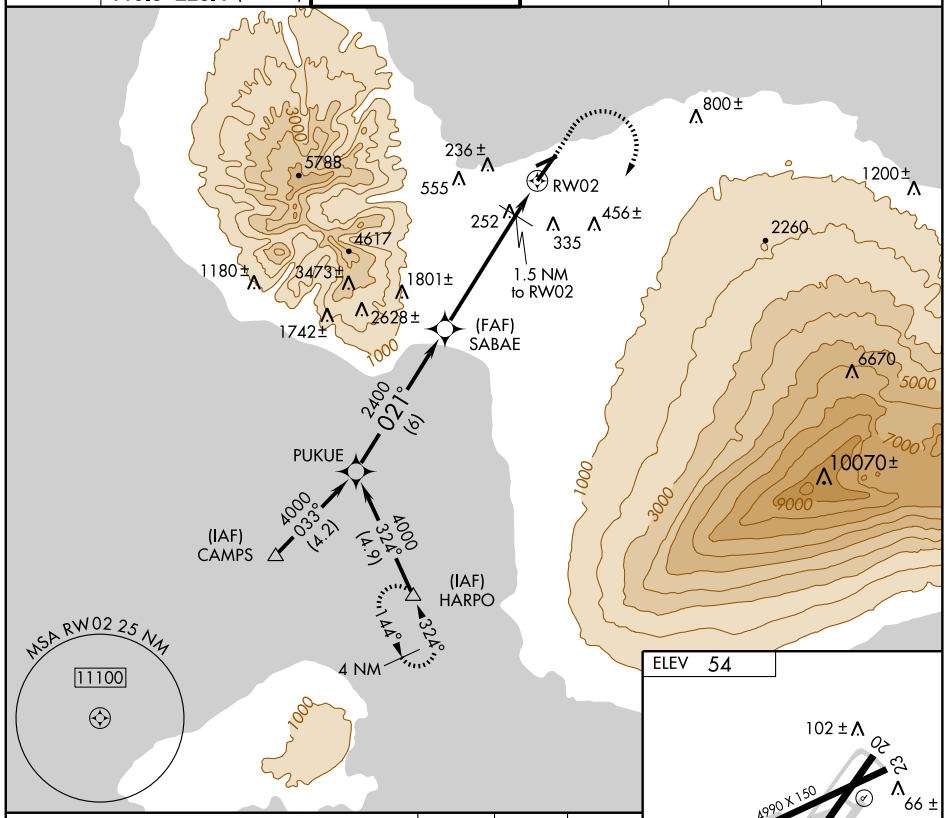
Circling NA at night to Rwy 5.
GPS or RNP-0.3 Required. DME/DME RNP-0.3 NA.
For inoperative MALSR increase LNAV visibility ¼ mile.

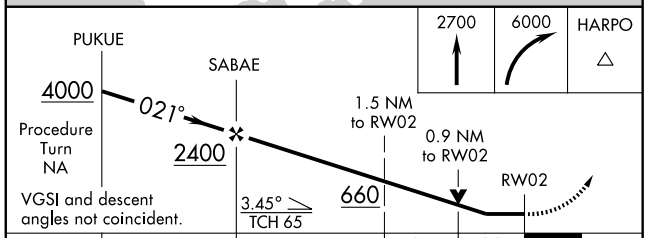
NA

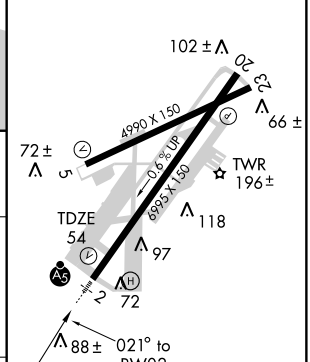
MALSR

MISSED APPROACH: Climb to 2700 then climbing right turn to 6000 direct HARPO WP and hold.

ATIS	HCF APPROACH	MAUI TOWER★	GND CON	CLNC DEL	UNICOM
128.6	120.2 322.4 (NORTH) 119.5 225.4 (SOUTH)	118.7 (CTAF) L 279.6	121.9 279.6	120.6 290.5	122.95







CATEGORY	A	B	C	D
LNAV MDA	400-¾ 346 (400-¾)			400-1 346 (400-1)
CIRCLING	500-1 446 (500-1)	560-1 506 (600-1)	620-1½ 566 (600-1½)	640-2 586 (600-2)

HIRL Rwy 2-20 L
MIRL Rwy 5-23 L

PAC, 03 JUN 2010 to 29 JUL 2010

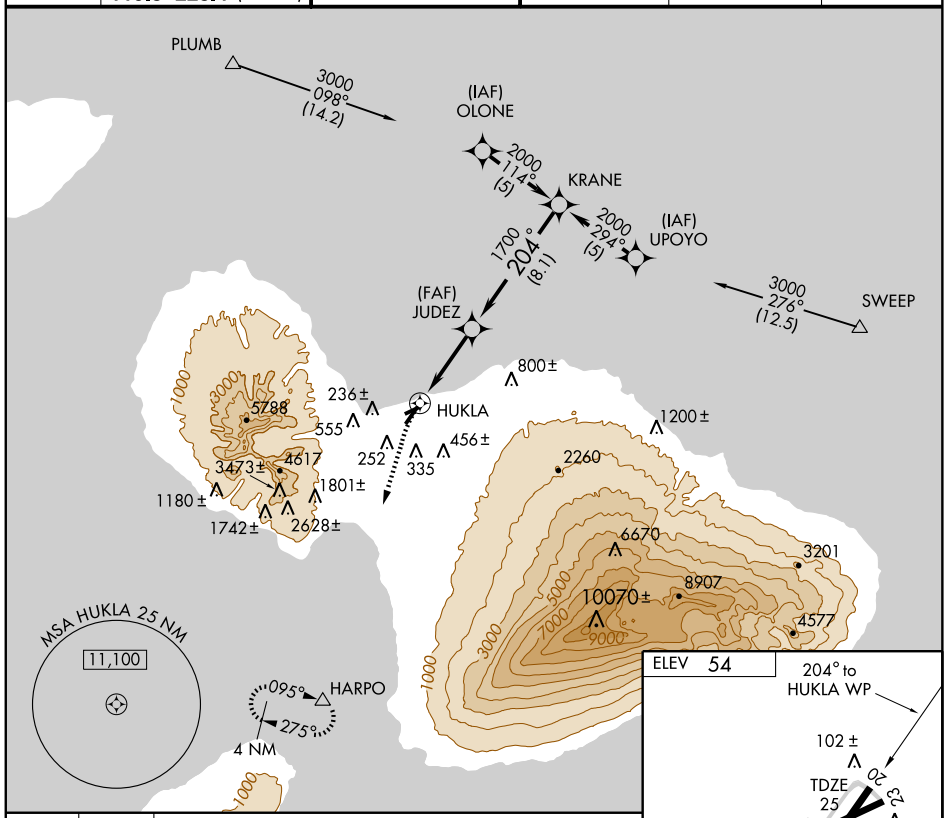
APP CRS	Rwy ldg	6995
204°	TDZE	25
	Apt Elev	54

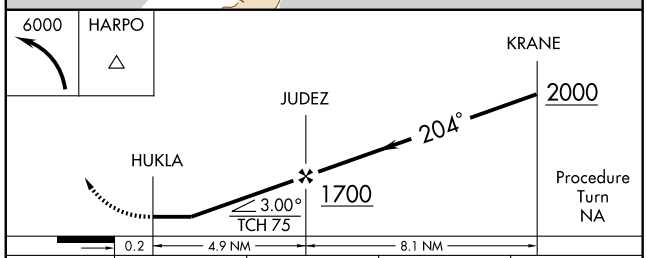
RNAV (GPS) RWY 20
KAHULUI (OGG)(PHOG)

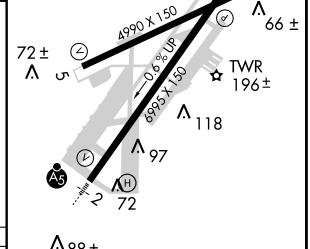
GPS or RNP-0.3 Required.
DME/DME RNP-0.3 NA.

MISSED APPROACH: Climbing left turn to 6000 direct HARPO WP and hold.

ATIS	HCF APPROACH	MAUI TOWER ★	GND CON	CLNC DEL	UNICOM
128.6	120.2 322.4 (NORTH) 119.5 225.4 (SOUTH)	118.7 (CTAF) L 279.6	121.9 279.6	120.6 290.5	122.95







CATEGORY	A	B	C	D
LNAV MDA	400-1 375 (400-1)			400-1¼ 375 (400-1¼)
CIRCLING	660-1 606 (700-1)	720-1 666 (700-1)	780-2 726 (800-2)	800-2½ 746 (800-2½)

HIRL Rwy 2-20 L
MIRL Rwy 5-23 L

PAC, 03 JUN 2010 to 29 JUL 2010

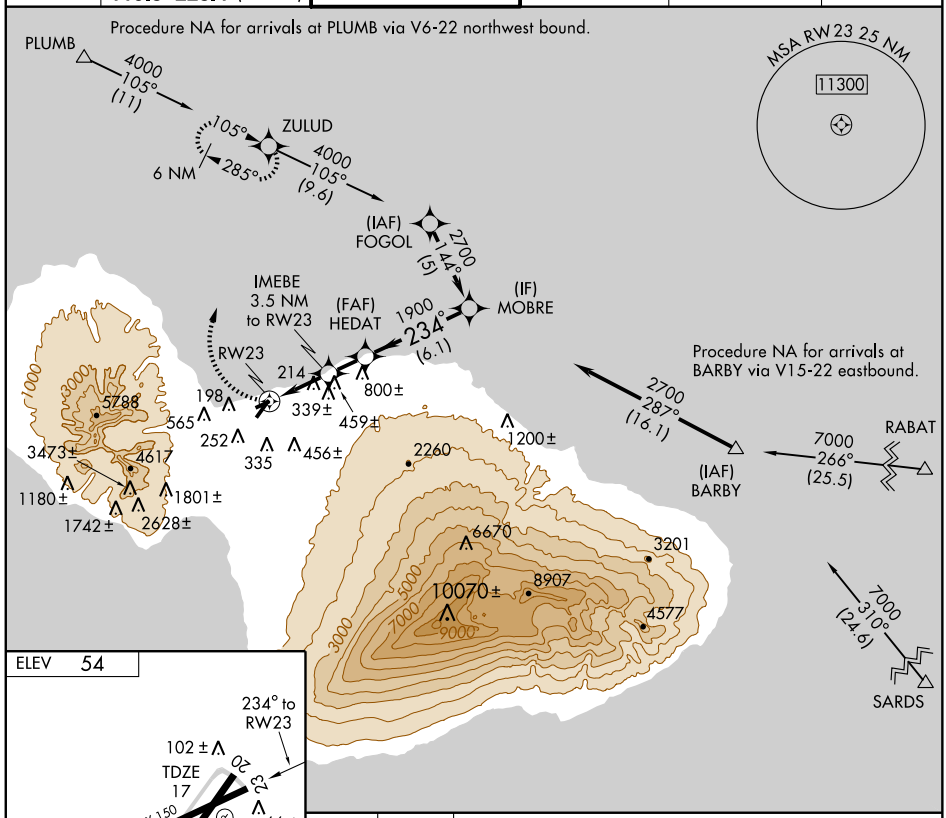
APP CRS	Rwy ldg	4990
234°	TDZE	17
	Apt Elev	54

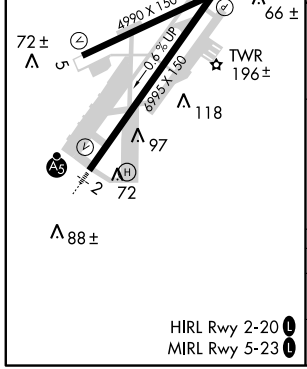
RNAV (GPS) RWY 23
KAHULUI (OGG)(PHOG)

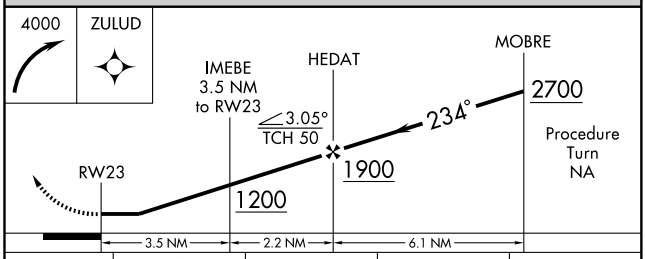
DME/DME RNP-0.3 NA. Visibility reduction by helicopters NA. When local altimeter setting not received, procedure NA. Straight-in minimums NA at night.

MISSED APPROACH: Climbing right turn to 4000 direct ZULUD and hold, continue climb-in-hold to 4000.

ATIS	HCF APPROACH	MAUI TOWER★	GND CON	CLNC DEL	UNICOM
128.6	120.2 322.4 (NORTH) 119.5 225.4 (SOUTH)	118.7 (CTAF)L 279.6	121.9 279.6	120.6 290.5	122.95







CATEGORY	A	B	C	D
LNAV MDA	460-1 443 (500-1)		460-1¼ 443 (500-1¼)	460-1½ 443 (500-1½)
CIRCLING	520-1 466 (500-1)	560-1 506 (600-1)	620-1½ 566 (600-1½)	640-2 586 (600-2)

PAC, 03 JUN 2010 to 29 JUL 2010

SMOKE STACK VISUAL RWY 2

KAHULUI (OGG)(PHOG)
KAHULUI, HAWAII

ATIS 128.6
HCF APPROACH
119.5 225.4
MAUI TOWER ★
118.7 279.6

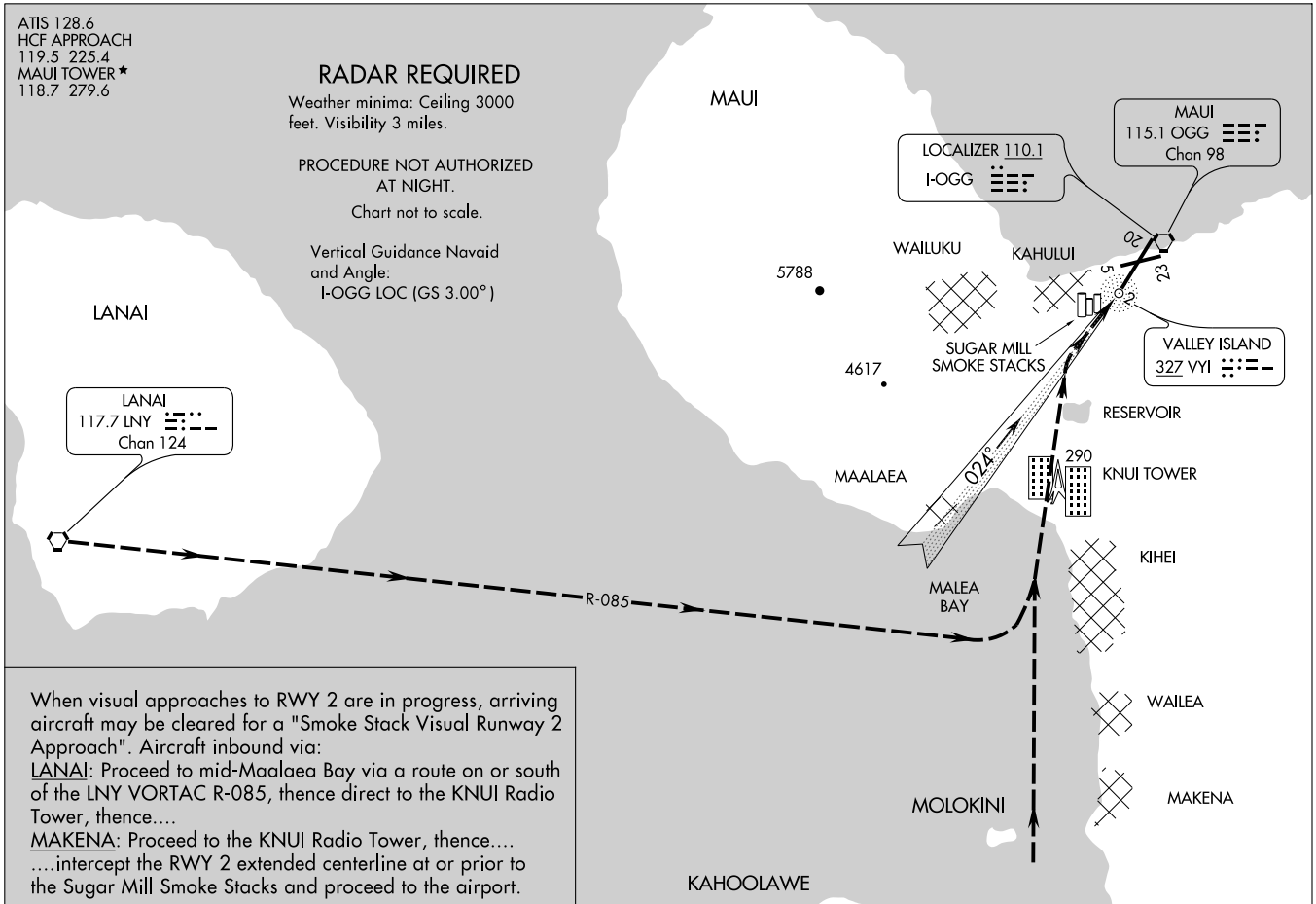
RADAR REQUIRED

Weather minima: Ceiling 3000 feet. Visibility 3 miles.

PROCEDURE NOT AUTHORIZED AT NIGHT.

Chart not to scale.

Vertical Guidance Navaid and Angle:
I-OGG LOC (GS 3.00°)

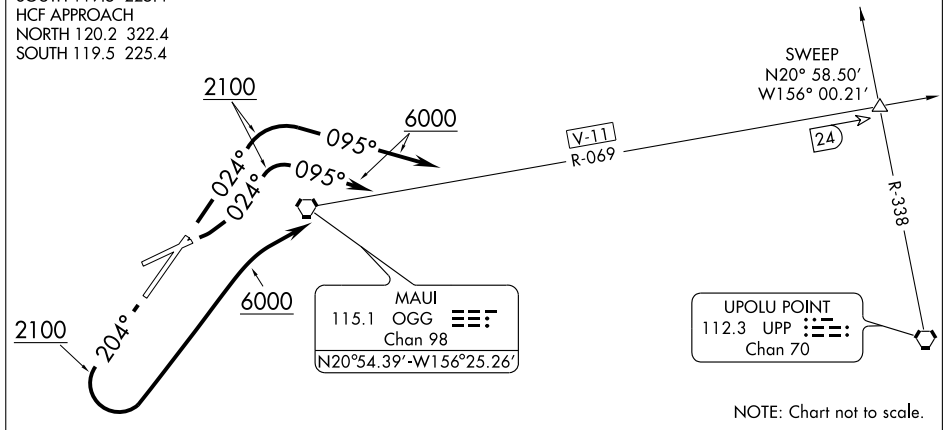


When visual approaches to RWY 2 are in progress, arriving aircraft may be cleared for a "Smoke Stack Visual Runway 2 Approach". Aircraft inbound via:
LANAI: Proceed to mid-Maalaea Bay via a route on or south of the LNY VORTAC R-085, thence direct to the KNUI Radio Tower, thence....
MAKENA: Proceed to the KNUI Radio Tower, thence....
....intercept the RWY 2 extended centerline at or prior to the Sugar Mill Smoke Stacks and proceed to the airport.

SWEEP ONE DEPARTURE

ATIS 128.6
CLNC DEL
120.6 290.5
GND CON
121.9 279.6
MAUI TOWER ★
118.7 (CTAF) 279.6
MAUI DEP CON
NORTH 120.2 322.4
SOUTH 119.5 225.4
HCF APPROACH
NORTH 120.2 322.4
SOUTH 119.5 225.4

TAKE-OFF MINIMUMS:
Rwy 23: NA Obstacle and ATC.
Rwy 2,5: Standard with ATC climb of 480 feet per NM to 2100.
Rwy 20: Standard with minimum climb of 480 feet per NM to 2100.



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RUNWAY 2: Climb heading 024° to 2100 then climbing right turn to 6000 via heading 095° to intercept OGG VORTAC R-069 (V11) to SWEEP INT/OGG 24 DME.

TAKEOFF RUNWAY 5: Climbing left turn heading 024° to 2100 then right turn to 6000 via heading 095° to intercept OGG VORTAC R-069 (V11) to SWEEP INT/OGG 24 DME.

TAKEOFF RUNWAY 20: Climb heading 204° to 2100 then climbing left turn to 6000 direct OGG VORTAC then via OGG R-069 (V11) to SWEEP INT/OGG 24 DME.

TAKEOFF OBSTACLE NOTES:

Rwy 2: Bush/trees beginning 190 feet from DER, 362 feet left of centerline, up to 60 feet AGL/79 feet MSL. Pipe on building 339 feet from DER, 289 feet right of centerline, 20 feet AGL/25 feet MSL. Bush beginning 902 feet from DER, 637 feet right of centerline, up to 20 feet AGL/39 feet MSL.

Rwy 5: Trees 2,359 feet from DER, 512 feet left of centerline, 56 feet AGL/75 feet MSL. Fence beginning 20 feet from DER, 299 feet right of centerline, up to 7 feet AGL/31 feet MSL. Bush/trees beginning 291 feet from DER, 300 feet right of centerline, up to 76 feet AGL/95 feet MSL.

Rwy 20: Bush 22 feet from DER, 236 feet right of centerline, 2 feet AGL/55 feet MSL. Bush/trees beginning 24 feet from DER, 173 feet left of centerline, up to 29 feet AGL/68 feet MSL.

PAC. 03 JUN 2010 to 29 JUL 2010

VORTAC OGG 115.1 Chan 98	APP CRS 194°	Rwy ldg 6995 TDZE 25 Apt Elev 54

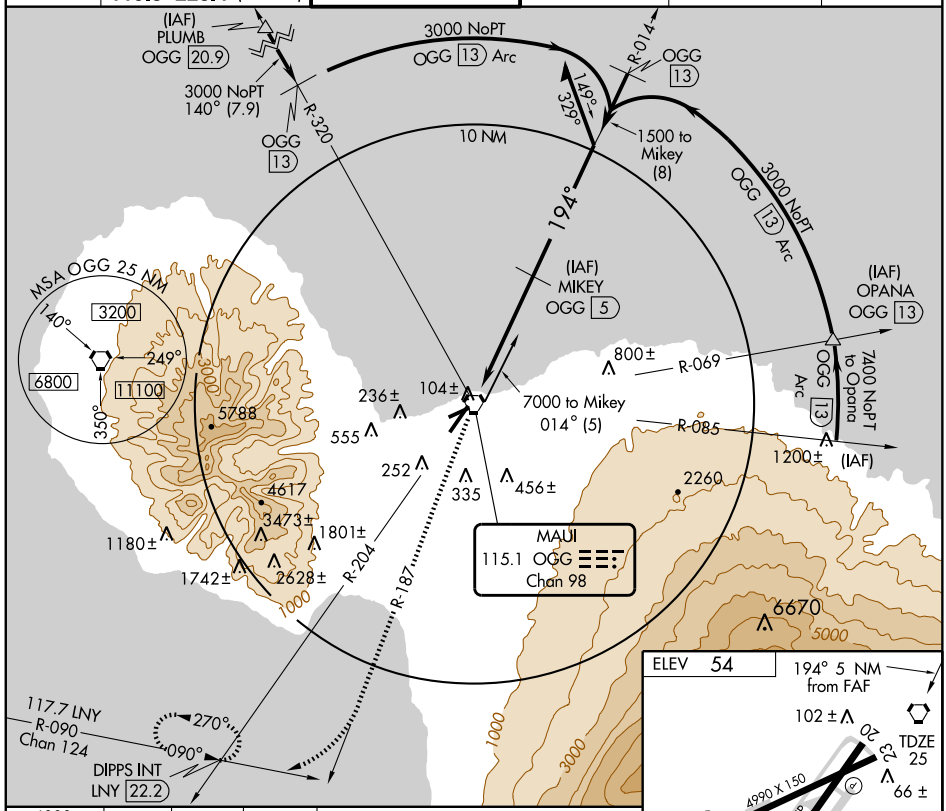
VOR/DME or TACAN RWY 20

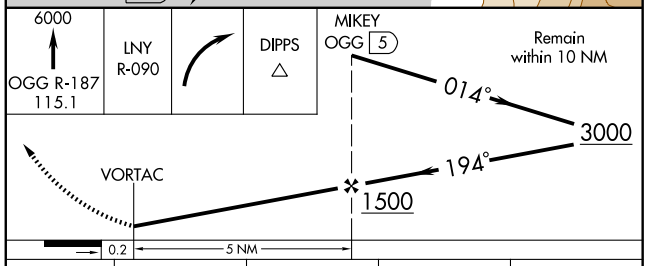
KAHULUI (OGG)(PHOG)

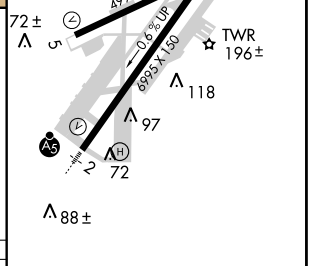
When tower closed, procedure not authorized except for operators with approved weather reporting service.

MISSED APPROACH: Climb to 6000 via OGG VORTAC R-187 to intercept LNY R-090, then climbing right turn direct DIPPS Int and hold.

ATIS	HCF APPROACH	MAUI TOWER ★	GND CON	CLNC DEL	UNICOM
128.6	120.2 322.4 (NORTH) 119.5 225.4 (SOUTH)	118.7 (CTAF) L 279.6	121.9 279.6	120.6 290.5	122.95







CATEGORY	A	B	C	D
S-20	400-1 375 (400-1)			400-1¼ 375 (400-1¼)
CIRCLING	520-1 466 (500-1)	560-1 506 (600-1)	620-1½ 566 (600-1½)	640-2 586 (600-2)

HIRL Rwy 2-20 L
MIRL Rwy 5-23 L

PAC, 03 JUN 2010 to 29 JUL 2010

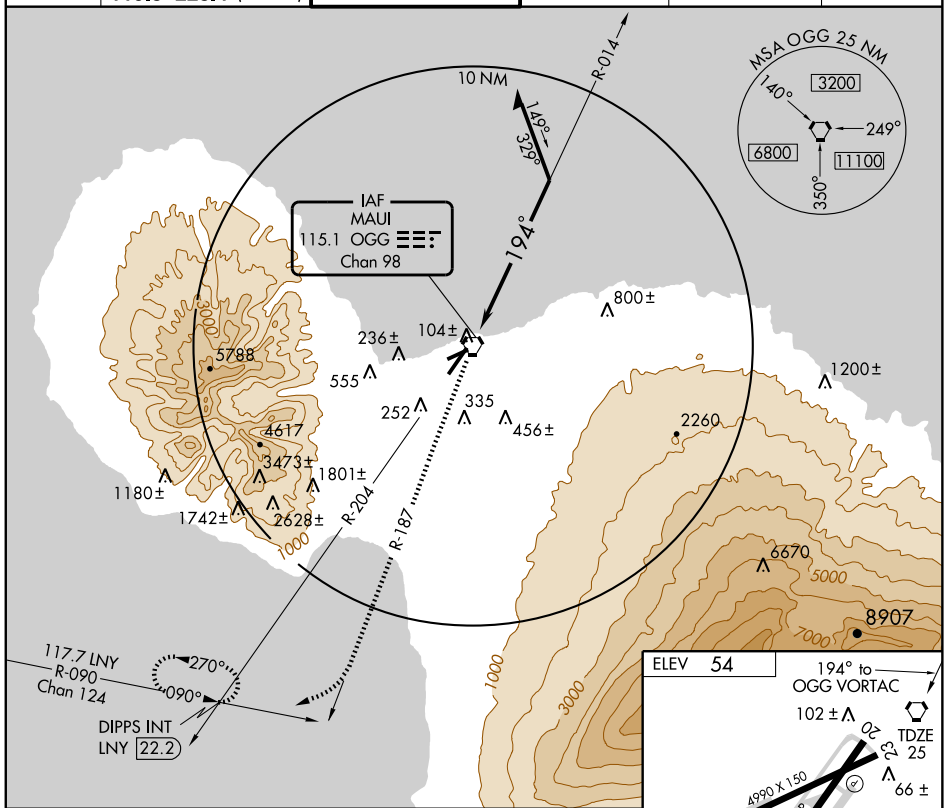
VORTAC OGG	APP CRS	Rwy ldg	6995
115.1	194°	TDZE	25
Chan 98		Apt Elev	54

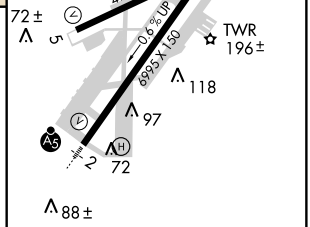
VOR RWY 20

KAHULUI (OGG)(PHOG)

MISSED APPROACH: Climb to 6000 via OGG R-187 to intercept LNY R-090, then climbing right turn direct DIPPS Int and hold.

ATIS	HCF APPROACH	MAUI TOWER ★	GND CON	CLNC DEL	UNICOM
128.6	120.2 322.4 (NORTH) 119.5 225.4 (SOUTH)	118.7 (CTAF) L 279.6	121.9 279.6	120.6 290.5	122.95





6000	LNY		DIPPS
OGG R-187 115.1	R-090		△

* VORTAC

014°

194°

1900

Remain within 10 NM

*Maintain 4500 or above until established outbound for procedure turn.

Maximum procedure turn entry altitude 6500.

0.2

CATEGORY	A	B	C	D
S-20	420-1 395 (400-1)			420-1½ 395 (400-1½)
CIRCLING	520-1 466 (500-1)	560-1 506 (600-1)	620-1½ 566 (600-1½)	640-2 586 (700-2)

HIRL Rwy 2-20 L
MIRL Rwy 5-23 L

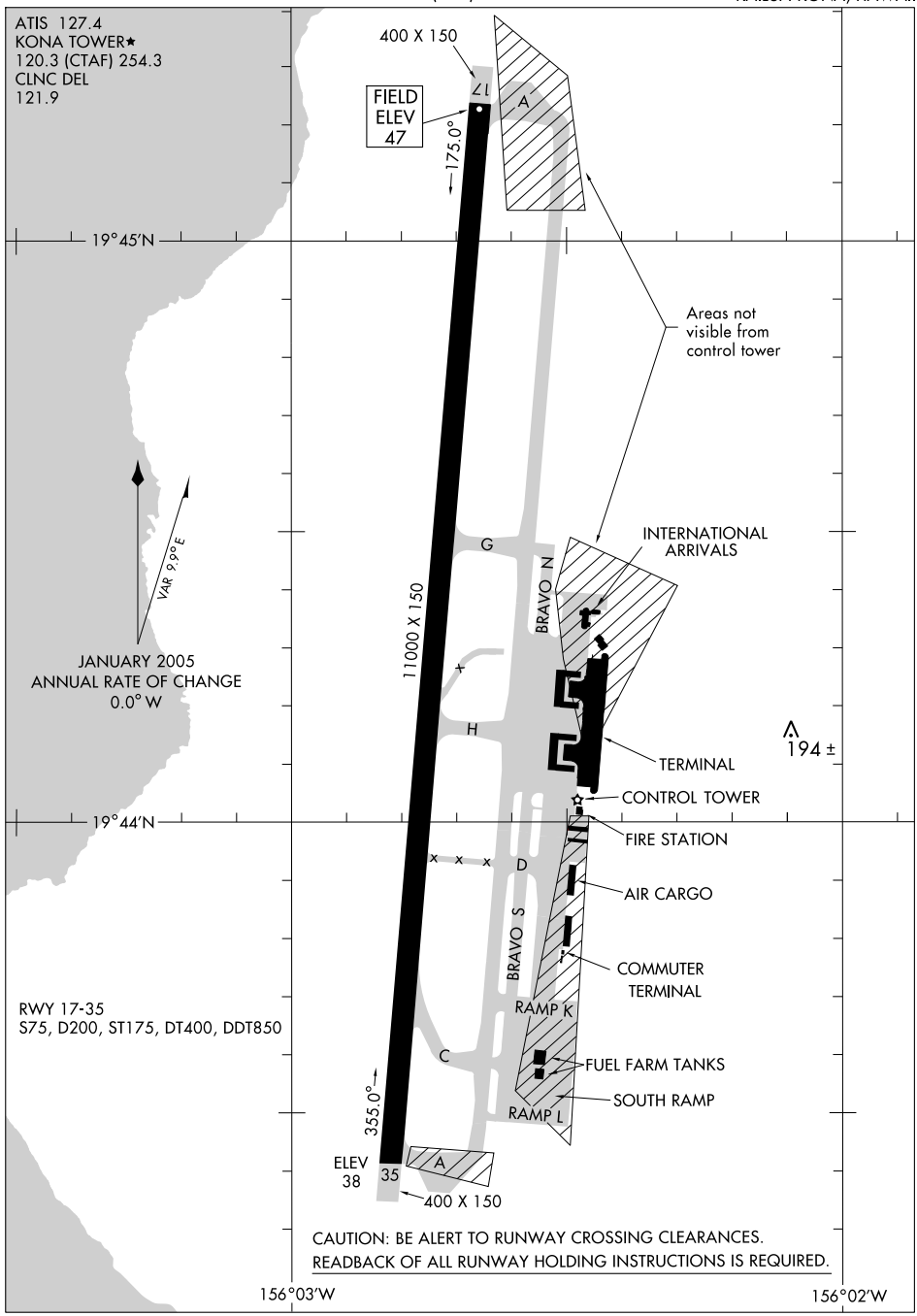
PAC, 03 JUN 2010 to 29 JUL 2010

AIRPORT DIAGRAM

KAILUA-KONA/ KONA INTL AT KEAHOLE (KOA)(PHKO)

AL-5761 (FAA)

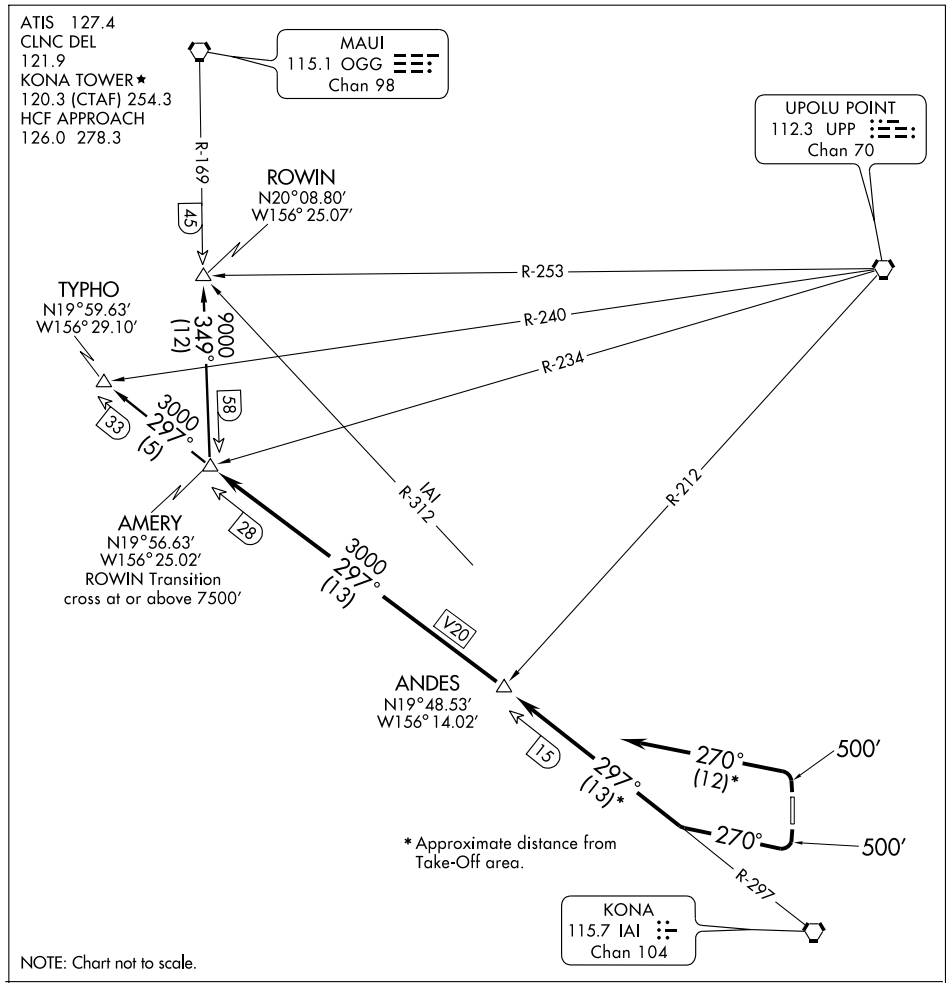
KAILUA-KONA, HAWAII



AMERY TWO DEPARTURE

SL-5761 (FAA)

KAILUA-KONA, HAWAII



NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RUNWAY 17: Climb on runway heading to 500 ft., then climbing right turn to heading 270°, intercept IAI R-297 to AMERY INT. Thence via (transition).

TAKE-OFF RUNWAY 35: Climb on runway heading to 500 ft., then climbing left turn to heading 270°, intercept IAI R-297 to AMERY INT. Thence via (transition).

ROWIN TRANSITION (AMERY2.ROWIN): From AMERY INT via OGG R-169 to ROWIN INT.

TYPHO TRANSITION (AMERY2.TYPHO): From AMERY INT via IAI R-297 to TYPHO INT.

PAC, 03 JUN 2010 to 29 JUL 2010

LOC/DME I-KOA	APP CRS	Rwy ldg 11000
109.7	174°	TDZE 47
Chan 34		Apt Elev 47

ILS or LOC/DME RWY 17

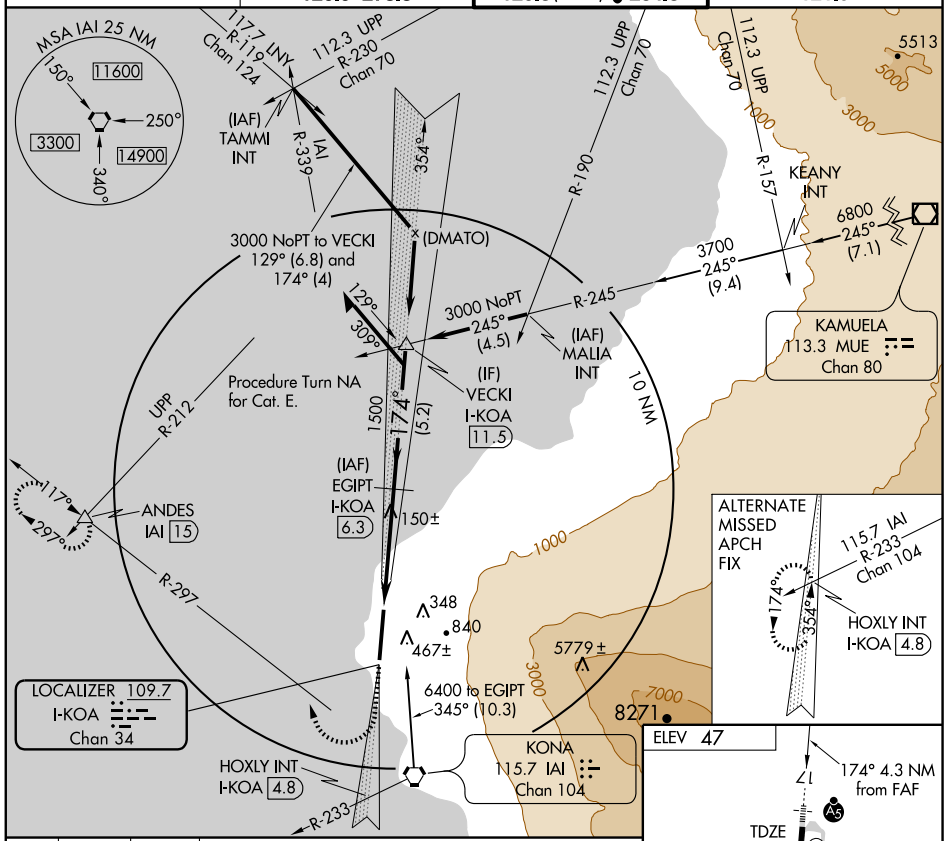
KAILUA-KONA/ KONA INTL AT KEAHOLE (KOA)(PHKO)

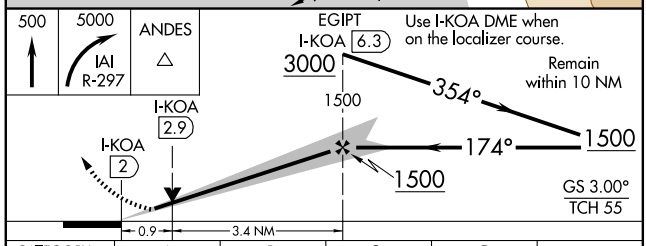
For inoperative MALSR, increase S-ILS Rwy 17 Cat E visibility to ¾, and S-LOC 17 Cat E visibility to 1¼.
Circling NA east of Rwy 17-35.
Autopilot coupled approach NA below 415.

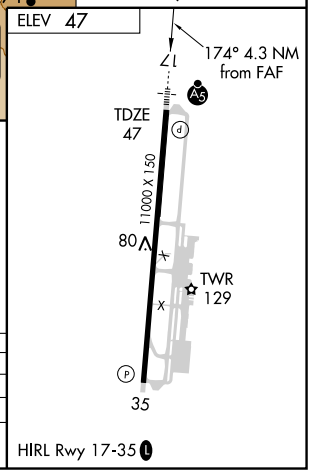
MALSR

MISSED APPROACH: Climb to 500 then climbing right turn to 5000 via IAI VORTAC R-297 to ANDES INT/IAI 15 DME and hold, continue climb-in-hold to 5000.

ATIS	HCF APPROACH	KONA TOWER ★	CLNC DEL
127.4	126.0 278.3	120.3 (CTAF) L 254.3	121.9





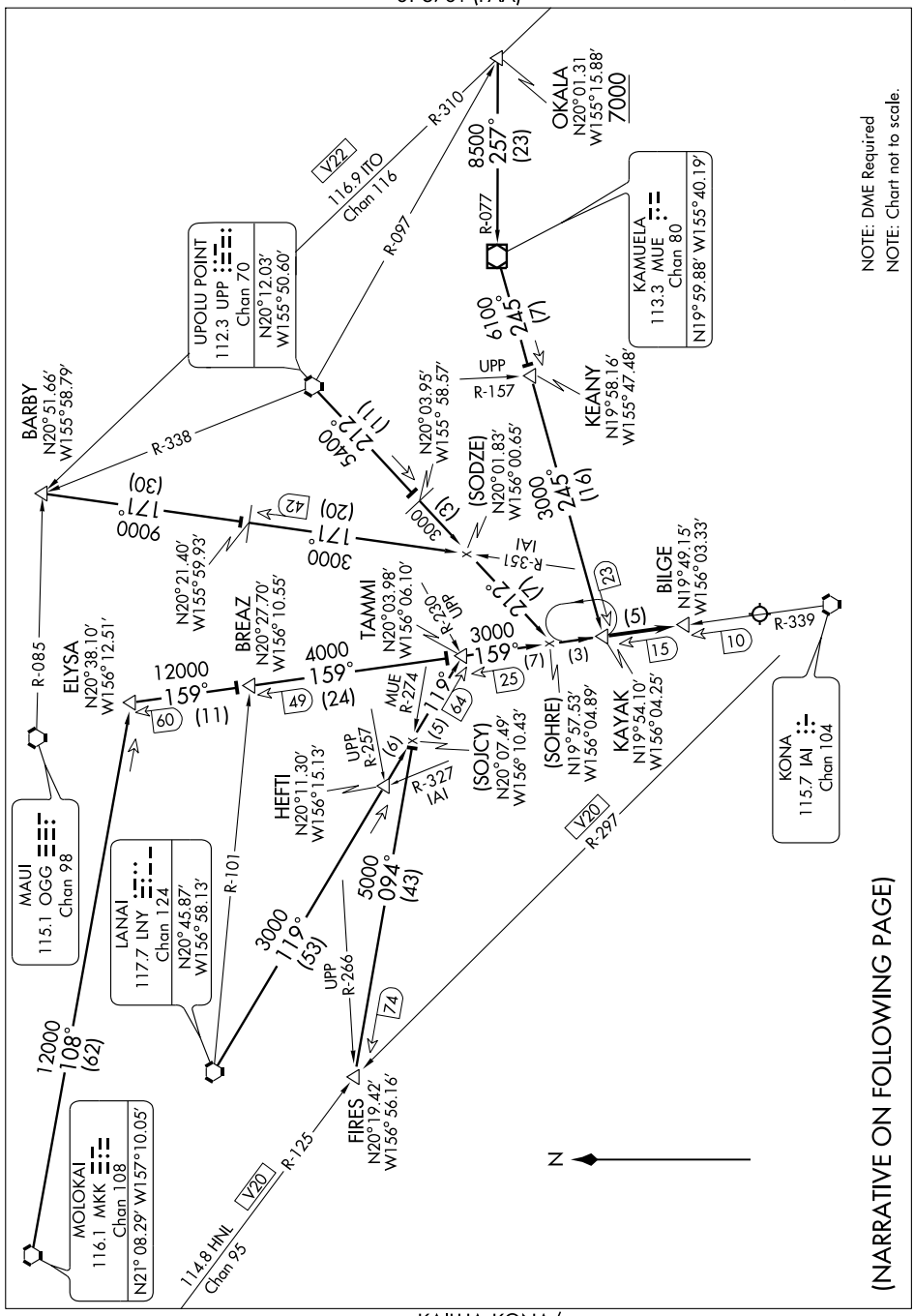


CATEGORY	A	B	C	D	E
S-ILS 17	247-½ 200 (200-½)				
S-LOC 17	400-½ 353 (400-½)			400-¾ 353 (400-¾)	
CIRCLING	460-1 413 (500-1)	500-1 453 (500-1)	500-1½ 453 (500-1½)	600-2 553 (600-2)	

PAC, 03 JUN 2010 to 29 JUL 2010

KAYAK FOUR ARRIVAL

KAILUA-KONA/
KONA INTL AT KEAHOLE (KOA)(PHKO)
ST-5761 (FAA)
KAILUA-KONA, HAWAII



(NARRATIVE ON FOLLOWING PAGE)

ARRIVAL DESCRIPTION

BARBY TRANSITION (BARBY.KAYAK4): From over BARBY INT via IAI R-351, UPP R-212 and IAI R-339 to KAYAK INT. Thence....
FIRES TRANSITION (FIRES.KAYAK4): From over FIRES INT via MUE R-274, LNY R-119 and IAI R-339 to KAYAK INT. Thence....
HEFTI TRANSITION (HEFTI.KAYAK4): From over HEFTI INT via LNY R-119 and IAI R-339 to KAYAK INT. Thence....
LANAI TRANSITION (LNY.KAYAK4): From over LNY VORTAC via LNY R-119 and IAI R-339 to KAYAK INT. Thence....
MOLOKAI TRANSITION (MKK.KAYAK4): From over MKK VORTAC via MKK R-108 and IAI R-339 to KAYAK INT. Thence....
OKALA TRANSITION (OKALA.KAYAK4): From over OKALA INT via MUE R-077 to MUE VOR/DME. Then via MUE R-245 to KAYAK INT. Thence....
UPOLU TRANSITION (UPP.KAYAK4): From over UPP VORTAC via UPP R-212 and IAI R-339 to KAYAK INT. Thence....
....From over KAYAK INT via IAI R-339 to BILGE DME.

LOC/DME I-KOA	APP CRS	Rwy ldg 11000
109.7	354°	TDZE 37
Chan 34		Apt Elev 47

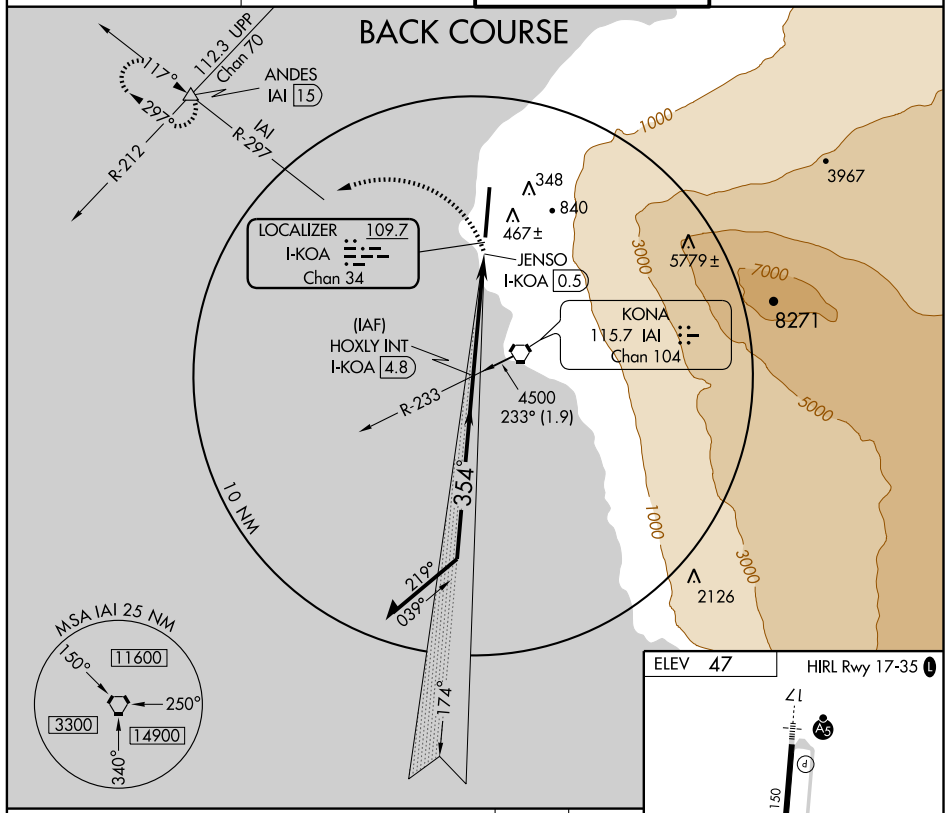
LOC BC RWY 35

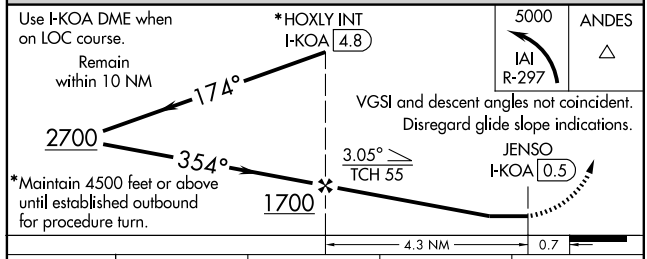
KAILUA-KONA/KONA INTL AT KEAHOLE (KOA) (PHKO)

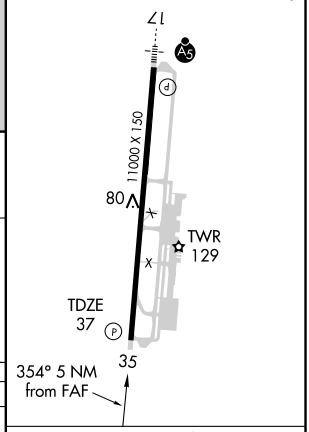
Circling NA east of Rwy 17-35.

MISSED APPROACH: Climbing left turn to 5000 via IAI R-297 to ANDES INT/IAI 15 DME and hold, continue climb-in-hold to 5000.

ATIS	HCF APPROACH	KONA TOWER★	CLNC DEL
127.4	126.0 278.3	120.3 (CTAF) L 254.3	121.9







CATEGORY	A	B	C	D
S-35	400-1 363 (400-1)			400-1¼ 363 (400-1¼)
CIRCLING	460-1 413 (500-1)	500-1 453 (500-1)	500-1½ 453 (500-1½)	600-2 553 (600-2)

FAF to MAP 4.3 NM

Knots	60	90	120	150	180
Min:Sec	4:18	2:52	2:09	1:43	1:26

PAC: 03 JUN 2010 to 29 JUL 2010

APP CRS	Rwy ldg	11000
174°	TDZE	47
	Apt Elev	47

RNAV (GPS) RWY 17

KAILUA-KONA/ KONA INTL AT KEAHOLE (KOA) (PHKO)

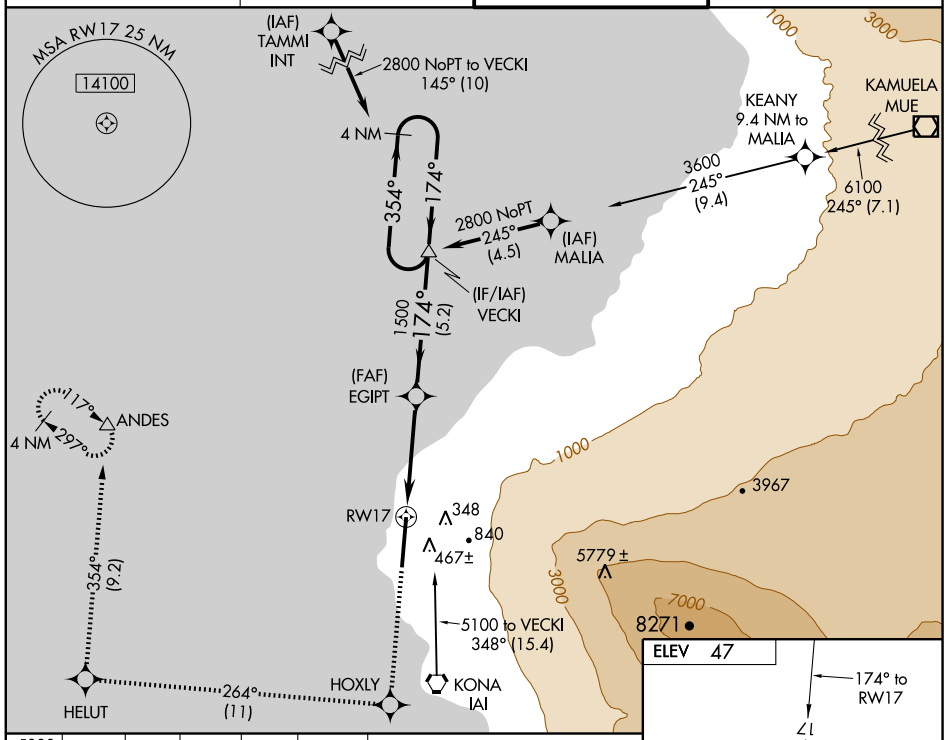
T NA

Baro-VNAV NA below -5°C (23°F).
GPS or RNP-0.3 required. DME/DME RNP-0.3 NA.
Circling NA east of Rwy 17-35.
WAAS VNAV NA.

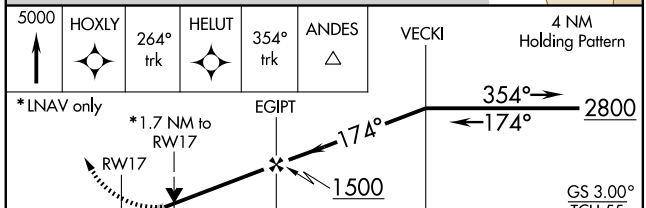
MALSR

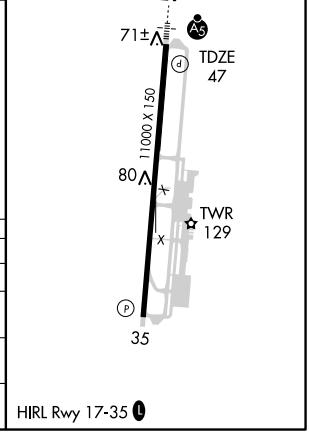
MISSED APPROACH: Climb to 5000 direct HOXLY WP and via 264° track to HELUT WP and via 354° track to ANDES WP and hold.

ATIS	HCF APPROACH	KONA TOWER ★	CLNC DEL
127.4	126.0 278.3	120.3 (CTAF) L 254.3	121.9



5000	HOXLY	264° trk	HELUT	354° trk	ANDES





CATEGORY	A	B	C	D
GLS PA DA	NA			
LNAV/ VNAV DA	540-1¼ 493 (500-1¼)			
LNAV MDA	640-½ 593 (600-½)		640-1 593 (600-1)	640-1¼ 593 (600-1¼)
CIRCLING	640-1¾ 593 (600-1¾)			640-2 593 (600-2)

PAC, 03 JUN 2010 to 29 JUL 2010

APP CRS	Rwy ldg	11000
354°	TDZE	37
	Apt Elev	47

RNAV (GPS) Y RWY 35

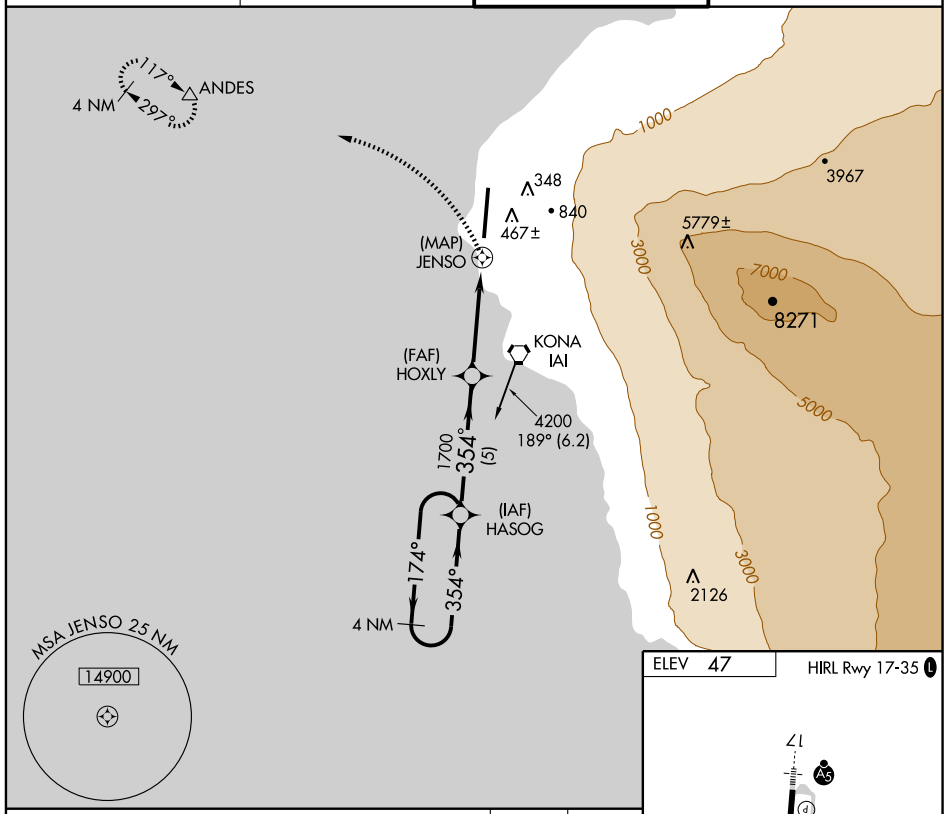
KAILUA-KONA/ KONA INTL AT KEAHOLE (KOA) (PHKO)

Circling NA east of Rwy 17-35.
GPS or RNP-0.3 required.
DME/DME RNP-0.3 NA.

NA

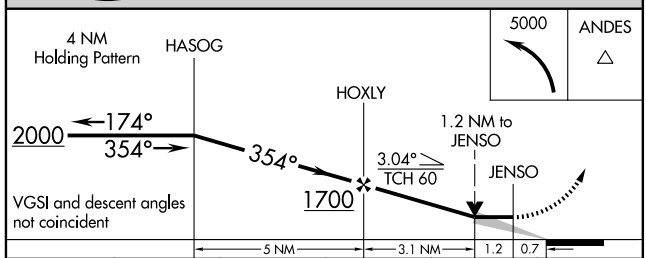
MISSED APPROACH: Climbing left turn to 5000 direct ANDES WP and hold.

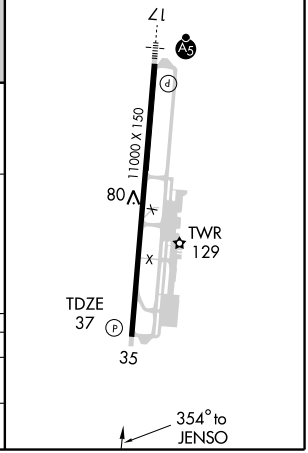
ATIS	HCF APPROACH	KONA TOWER★	CLNC DEL
127.4	126.0 278.3	120.3 (CTAF) 254.3	121.9



ELEV 47

HIRL Rwy 17-35





CATEGORY	A	B	C	D	E
LNAV MDA	400-1 363 (400-1)			400-1¼ 363 (400-1¼)	
CIRCLING	460-1 413 (500-1)	500-1 453 (500-1)	500-1½ 453 (500-1½)	600-2 553 (600-2)	

PAC, 03 JUN 2010 to 29 JUL 2010

APP CRS	Rwy ldg	11000
354°	TDZE	37
	Apt Elev	47

RNAV (GPS) Z RWY 35

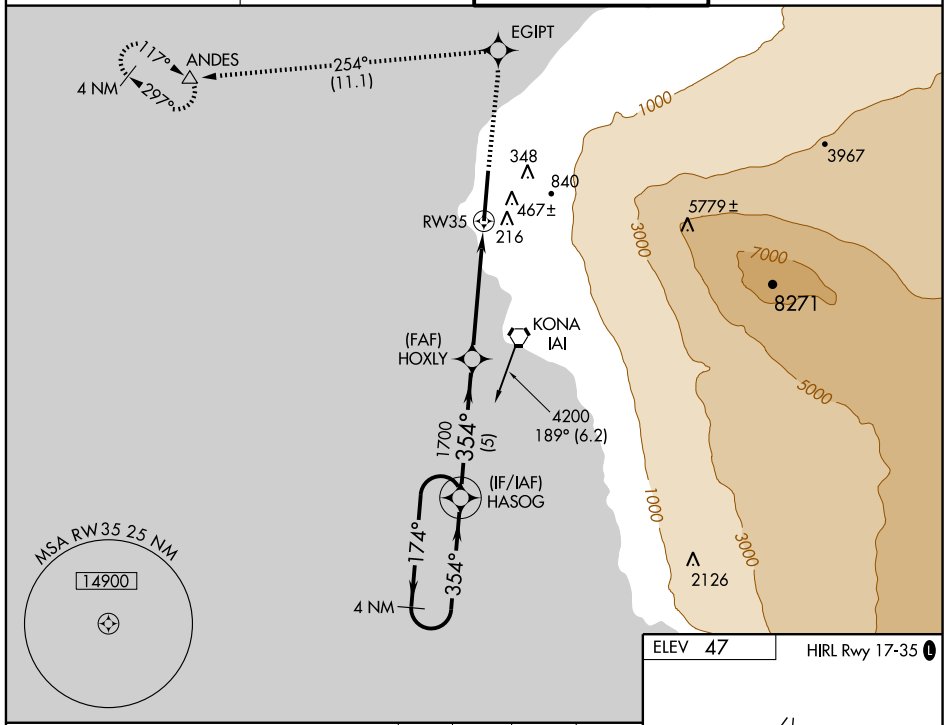
KAILUA-KONA/KONA INTL AT KEAHOLE (KOA) (PHKO)

T NA

Circling NA east of Rwy 17-35.
Baro-VNAV NA below -5°C (23°F).
GPS or RNP-0.3 required. DME/DME RNP-0.3 NA.
WAAS VNAV NA.

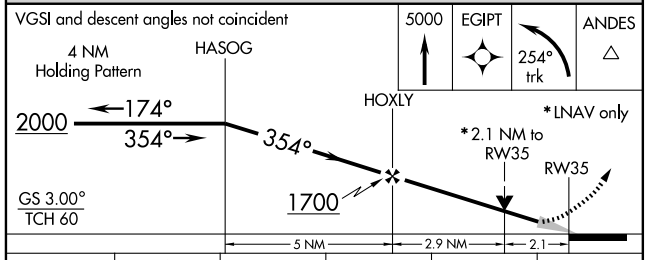
MISSED APPROACH: Climb to 5000 direct EGIPT WP and left turn via 254° track to ANDES WP and hold.

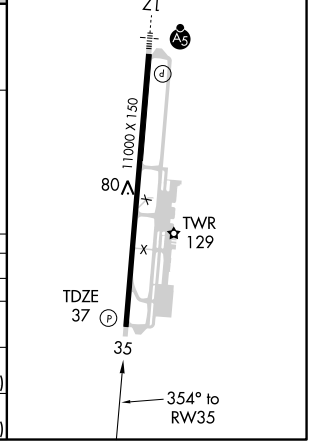
ATIS	HCF APPROACH	KONA TOWER ★	CLNC DEL
127.4	126.0 278.3	120.3 (CTAF) L 254.3	121.9



ELEV 47

HIRL Rwy 17-35 L



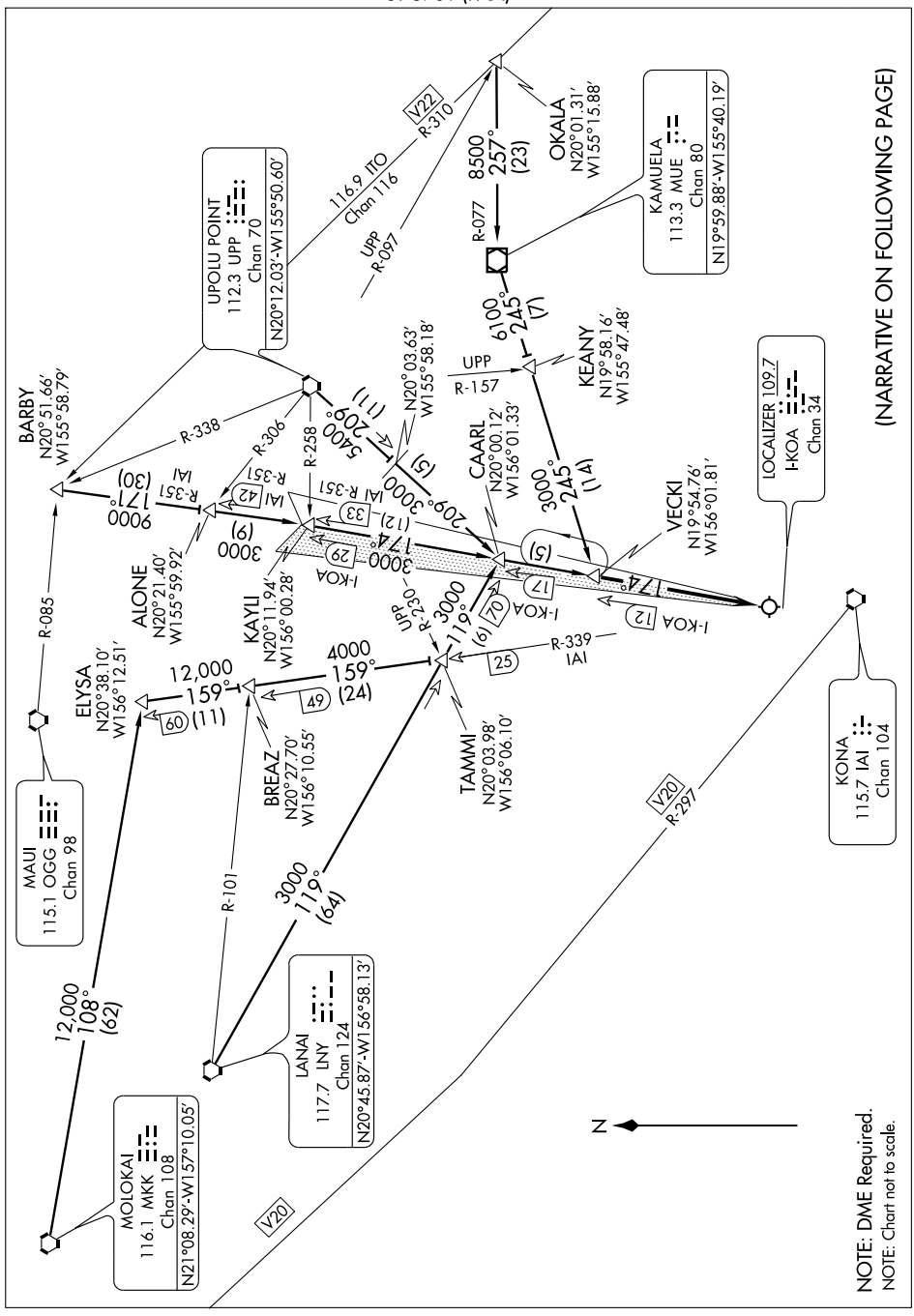


CATEGORY	A	B	C	D	E
GLS PA DA	NA				
LNAV/VNAV DA	540-1¾ 503 (500-1¾)				
LNAV MDA	640-1 603 (600-1)		640-1¾ 603 (600-1¾)	640-2 603 (600-2)	640-2¼ 603 (600-2¼)
CIRCLING	640-1¾ 593 (600-1¾)			640-2 593 (600-2)	640-2¼ 593 (600-2¼)

PAC, 03 JUN 2010 to 29 JUL 2010

VECKI SIX ARRIVAL

KAILUA-KONA/ KONA INTL AT KEAHOLE (KOA)(PHKO)
ST-5761 (FAA)
KAILUA-KONA, HAWAII



NOTE: DME Required.
NOTE: Chart not to scale.

ARRIVAL DESCRIPTION

BARBY TRANSITION (BARBY.VECKI6): From over BARBY INT via IAI R-351 and I-KOA localizer course to VECKI INT. Thence....
LANAI TRANSITION (LNY.VECKI6): From over LNY VORTAC via LNY R-119 and I-KOA localizer course to VECKI INT. Thence....
MOLOKAI TRANSITION (MKK.VECKI6): From over MKK VORTAC via MKK R-108, IAI VORTAC R-339, LNY R-119 and I-KOA localizer course to VECKI INT. Thence....
OKALA TRANSITION (OKALA.VECKI6): From over OKALA INT via MUE VOR/DME R-077 to MUE VOR/DME. Thence from over MUE VOR/DME via MUE R-245 to VECKI INT. Thence....
UPOLU TRANSITION (UPP.VECKI6): From over UPP VORTAC via UPP R-209 and I-KOA localizer course to VECKI INT. Thence....
....From over VECKI INT via I-KOA localizer course to KEAHOLE-KONA INTL AIRPORT.

PAC. 03 JUN 2010 to 29 JUL 2010

VORTAC IAI 115.7 Chan 104	APP CRS 159°	Rwy ldg 11000 TDZE 47 Apt Elev 47

VOR/DME or TACAN RWY 17

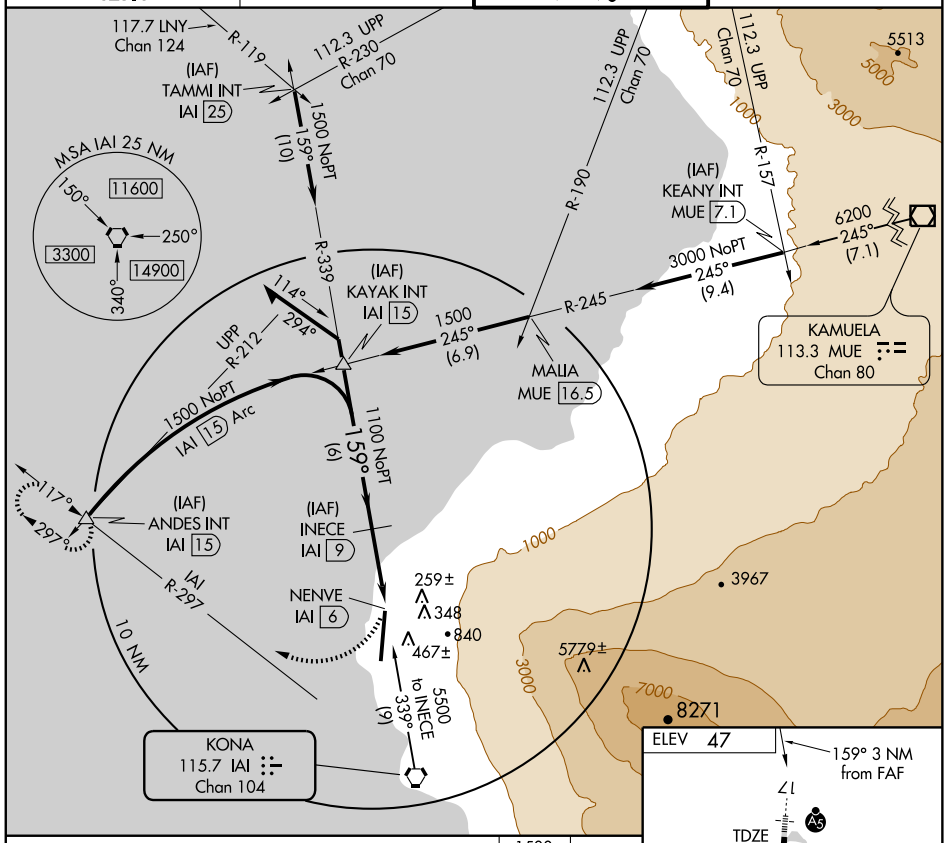
KAILUA-KONA/ KONA INTL AT KEAHOLE (KOA) (PHKO)

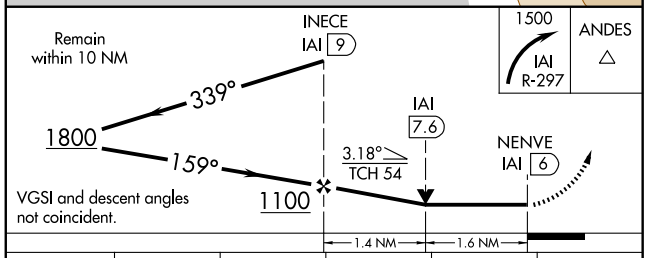
Circling NA east of Rwy 17-35. Procedure turn NA Cat E aircraft. Inoperative table does not apply.

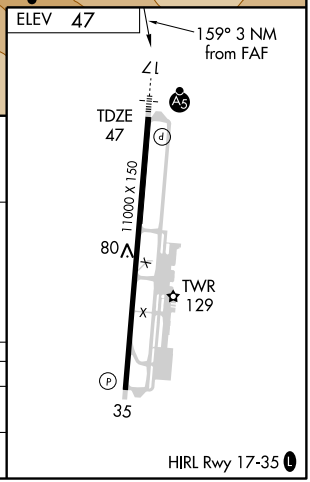
MALSR

MISSED APPROACH: Climbing right turn to 1500 via IAI R-297 to ANDES INT/IAI 15 DME and hold.

ATIS	HCF APPROACH	KONA TOWER★	CLNC DEL
127.4	126.0 278.3	120.3 (CTAF) L 254.3	121.9







CATEGORY	A	B	C	D	E
S-17	600-1	553 (600-1)	600-1½ 553 (600-1½)	600-1¾ 553 (600-1¾)	600-2 553 (600-2)
CIRCLING	600-1	553 (600-1)	600-1½ 553 (600-1½)	600-2 553 (600-2)	

PAC. 03 JUN 2010 to 29 JUL 2010

KAILUA-KONA, HAWAII

AL-5761 (FAA)

VORTAC IAI	APP CRS	Rwy ldg	11000
115.7	330°	TDZE	37
Chan 104		Apt Elev	47

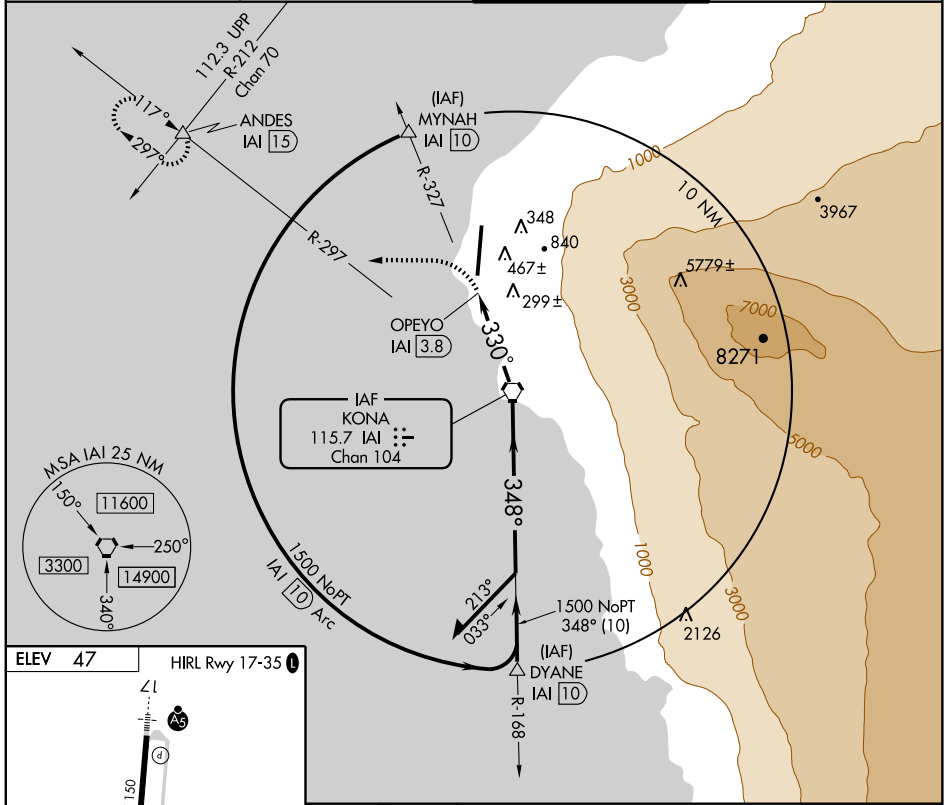
VOR or TACAN RWY 35

KAILUA-KONA/ KONA INTL AT KEAHOLE (KOA) (PHKO)

Circling NA east of Rwy 17-35.
Procedure turn NA for Cat E aircraft.

MISSED APPROACH: Climbing left turn to 1500 via IAI R-297 to ANDES INT/IAI 15 DME and hold.

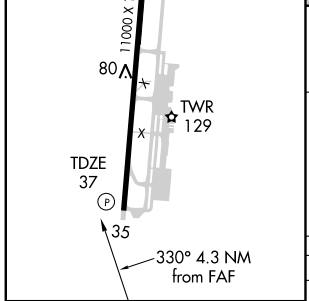
ATIS	HCF APPROACH	KONA TOWER *	CLNC DEL
127.4	126.0 278.3	120.3 (CTAF) L 254.3	121.9



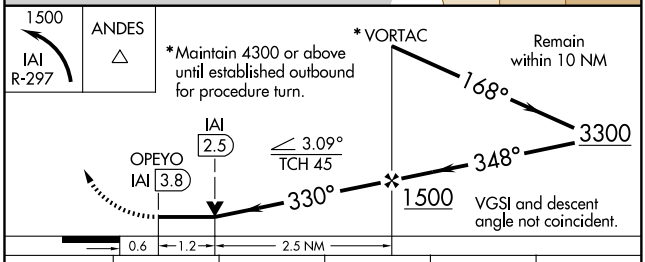
PAC, 03 JUN 2010 to 29 JUL 2010

ELEV 47

HIRL Rwy 17-35 L



FAF to MAP 3.8 NM					
Knots	60	90	120	150	180
Min:Sec	3:48	2:32	1:54	1:31	1:16



CATEGORY	A	B	C	D	E
S-35	560-1	523 (600-1)	560-1½ 523 (600-1½)	560-1¾	523 (600-1¾)
CIRCLING	560-1	513 (600-1)	560-1½ 513 (600-1½)	600-2	553 (600-2)

APP CRS	Rwy ldg	5197
055°	TDZE	2671
	Apt Elev	2671

RNAV (GPS) RWY 4

KAMUELA/ WAIMEA-KOHALA (MUE)(PHMU)

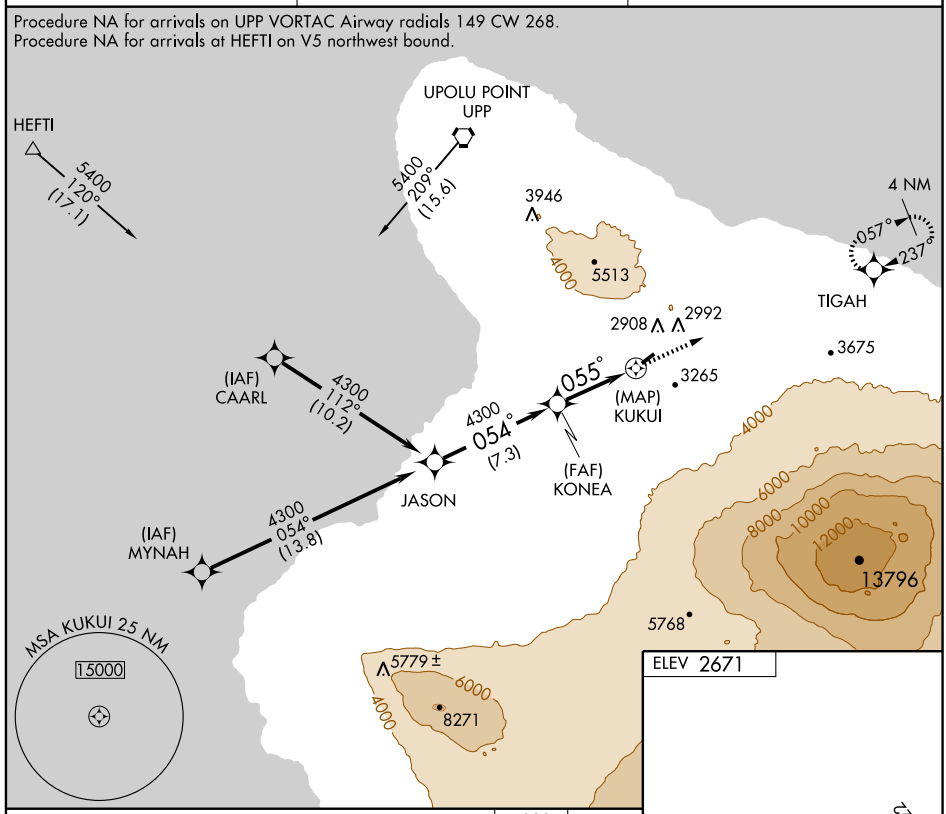
NA

Circling not authorized NW of Rwy 04-22.
GPS or RNP-0.3 Required.
DME/DME RNP-0.3 NA.

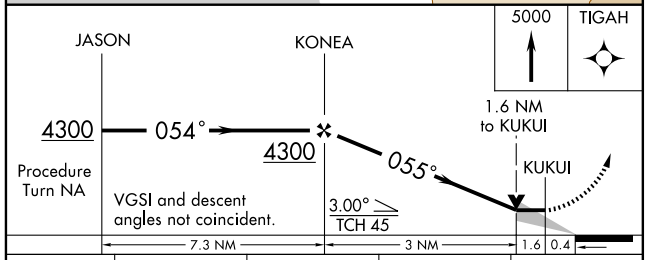
MISSED APPROACH: Climb to 5000 direct TIGAH WP and hold.

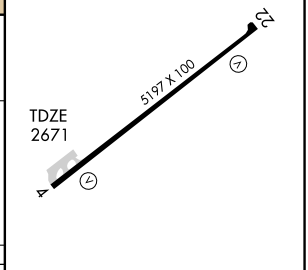
AWOS-3	HCF APPROACH	CTAF
120.0	126.0 278.3	122.9 L

Procedure NA for arrivals on UPP VORTAC Airway radials 149 CW 268.
Procedure NA for arrivals at HEFTI on V5 northwest bound.



ELEV 2671





CATEGORY	A	B	C	D
LNAV MDA	3220-1 549 (600-1)		3220-1½ 549 (600-1½)	3220-1¾ 549 (600-1¾)
CIRCLING	3520-1 849 (900-1)	3520-1¼ 849 (900-1¼)	3520-2½ 849 (900-2½)	3880-3 1209 (1300-3)

MIRL Rwy 4-22 L
REIL Rwys 4 and 22

PAC, 03 JUN 2010 to 29 JUL 2010

APP CRS 235°	Rwy ldg 5197
	TDZE 2671
	Apt Elev 2671

RNAV (GPS) RWY 22

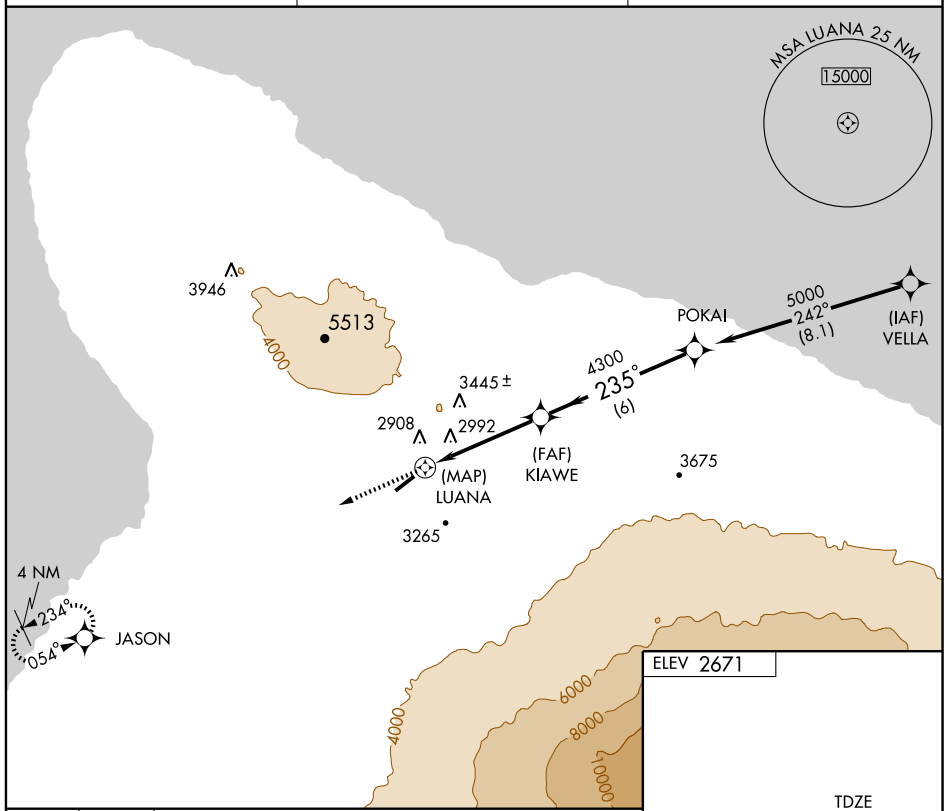
KAMUELA/ WAIMEA-KOHALA(MUE)(PHMU)

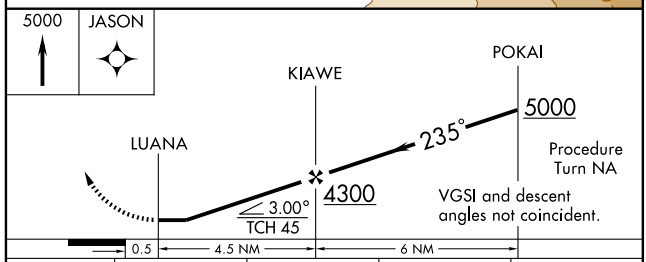
NA

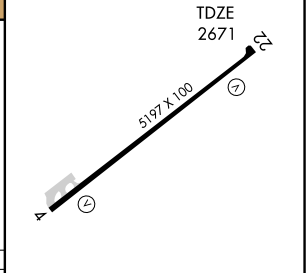
GPS or RNP-0.3 Required. DME/DME RNP-0.3 NA. Circling not authorized NW of Rwy 04-22. Straight-in minimums NA at night.

MISSED APPROACH: Climb to 5000 direct JASON WP and hold.

AWOS-3	HCF APPROACH	CTAF
120.0	126.0 278.3	122.9 L







CATEGORY	A	B	C	D
LNAV MDA	3660-1¼ 989 (1000-1¼)	3660-1½ 989 (1000-1½)	3660-3 989 (1000-3)	
CIRCLING	3660-1¼ 989 (1000-1¼)	3660-1½ 989 (1000-1½)	3660-3 989 (1000-3)	3880-3 1209 (1300-3)

MIRL Rwy 4-22 L
REIL Rwys 4 and 22

PAC, 03 JUN 2010 to 29 JUL 2010

VOR/DME MUE 113.3 Chan 80	APP CRS 237°	Rwy ldg N/A TDZE N/A Apt Elev 2671

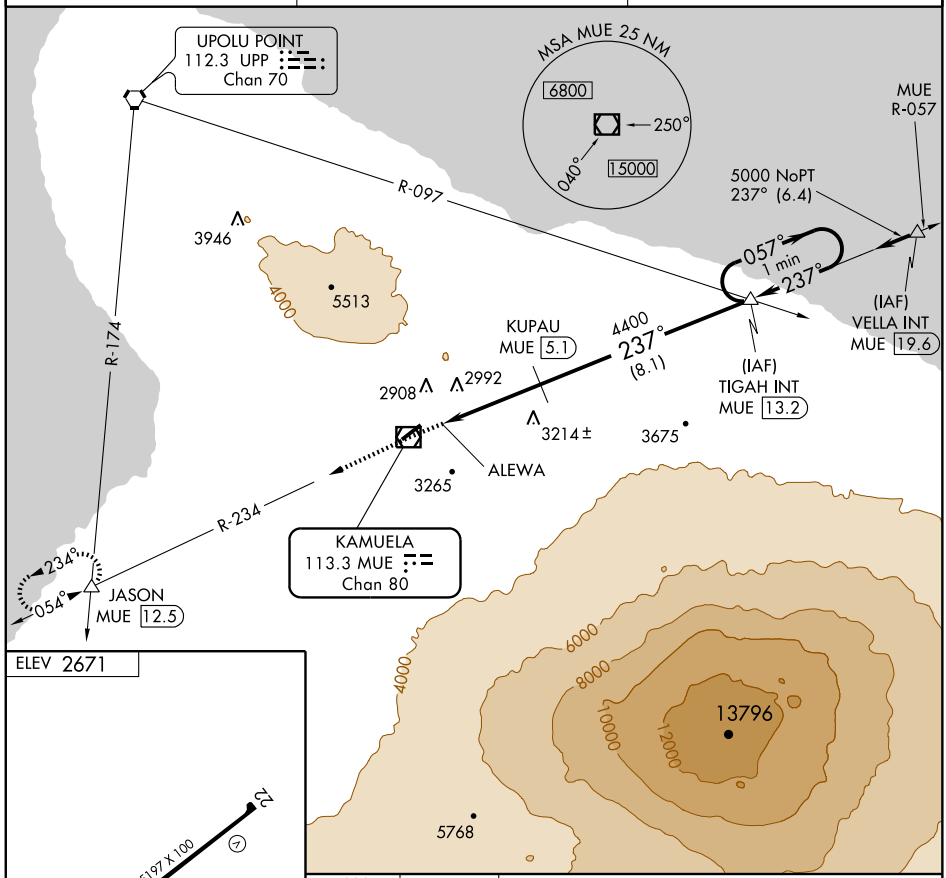
VOR/DME-A

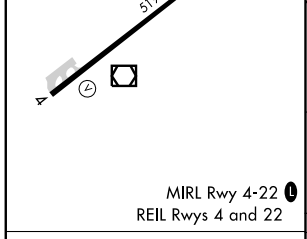
KAMUELA/ WAIMEA-KOHALA(MUE)(PHMU)

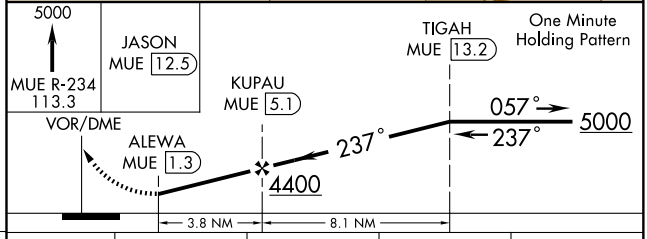
Circling NA NW of Rwy 4-22.

MISSED APPROACH: Climb to 5000 via MUE R-234 to JASON Int/12.5 DME and hold.

AWOS-3	HCF APPROACH	CTAF
120.0	126.0 278.3	122.9 L







Knots	60	90	120	150	180
Min:Sec					

CATEGORY	A	B	C	D
CIRCLING	3680-1¼ 1009 (1100-1¼)	3680-1½ 1009 (1100-1½)	3680-3 1009 (1100-3)	3880-3 1209 (1300-3)

PAC, 03 JUN 2010 to 29 JUL 2010

VOR/DME MUE	APP CRS	Rwy ldg	5197
113.3	054°	TDZE	2671
Chan 80		Apt Elev	2671

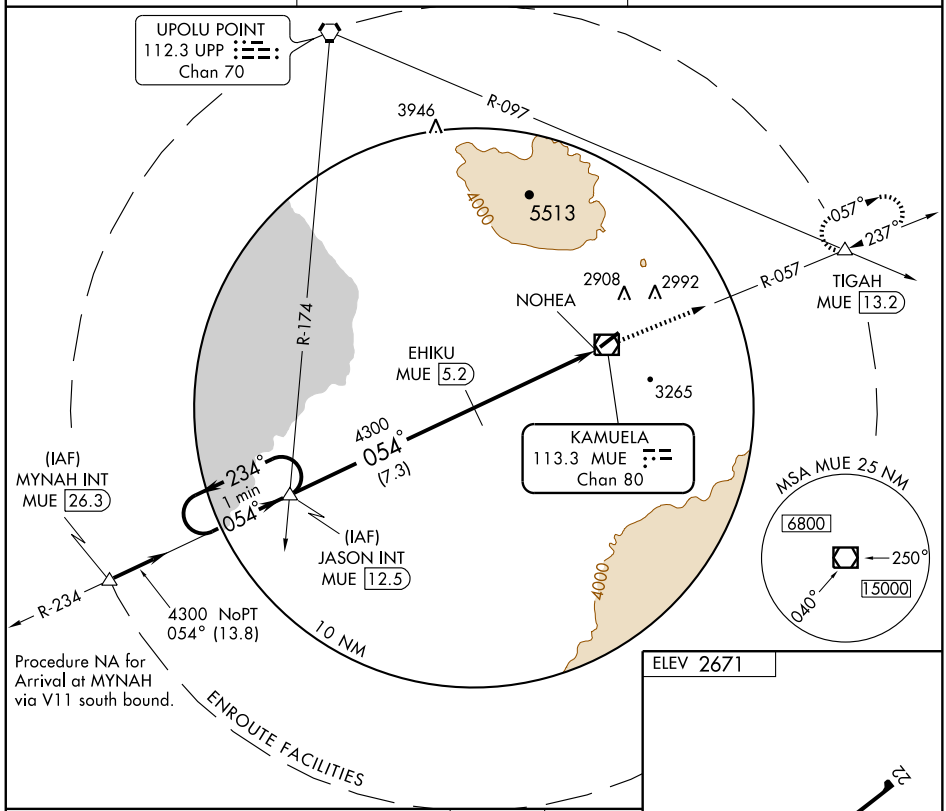
VOR/DME RWY 4

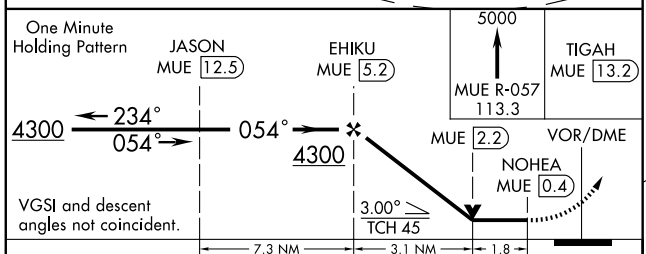
KAMUELA/ WAIMEA-KOHALA (MUE)(PHMU)

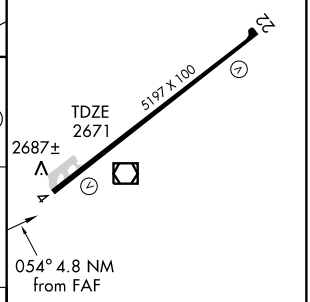
Circling NA NW of Rwy 4-22.

MISSED APPROACH: Climb to 5000 via MUE R-057 to TIGAH Int/13.2 DME and hold.

AWOS-3	HCF APPROACH	CTAF
120.0	126.0 278.3	122.9 L







MIRL Rwy 4-22 L
REIL Rwy 4 and Rwy 22

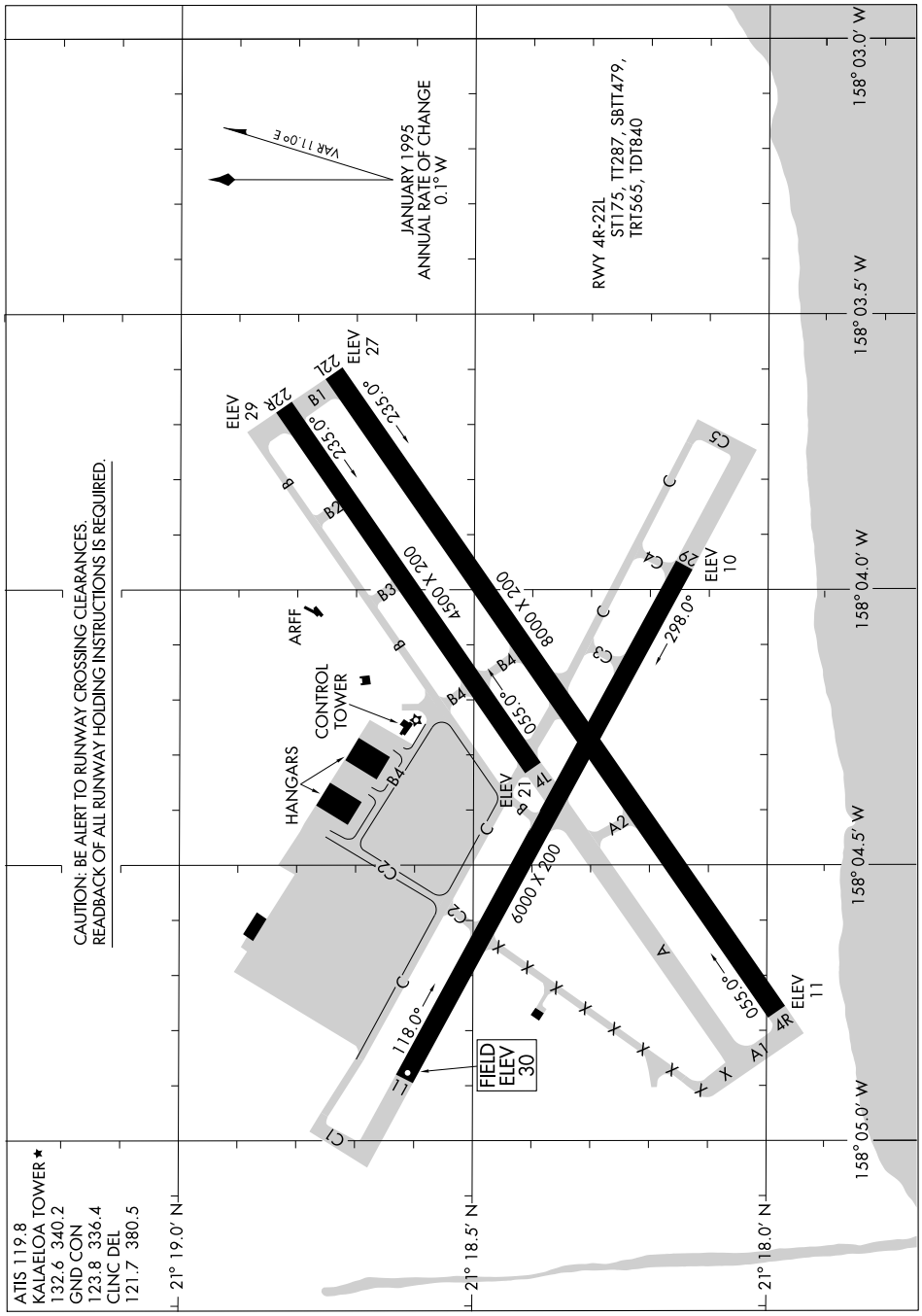
CATEGORY	A	B	C	D
S-4	3220-1 549 (600-1)		3220-1½ 549 (600-1½)	3220-1¾ 549 (600-1¾)
CIRCLING	3520-1 849 (900-1)	3520-1¼ 849 (900-1¼)	3520-2½ 849 (900-2½)	3880-3 1209 (1300-3)

Knots	60	90	120	150	180
Min:Sec					

PAC, 03 JUN 2010 to 29 JUL 2010

AIRPORT DIAGRAM

KAPOLEI/ KALAELOA (JOHN RODGERS FIELD) (JRF)(PHJR)
AL-761 (FAA)
KAPOLEI, HAWAII



HN LOM	APP CRS	Rwy ldg	8000
242	037°	TDZE	17
		Apt Elev	30

NDB RWY 4R

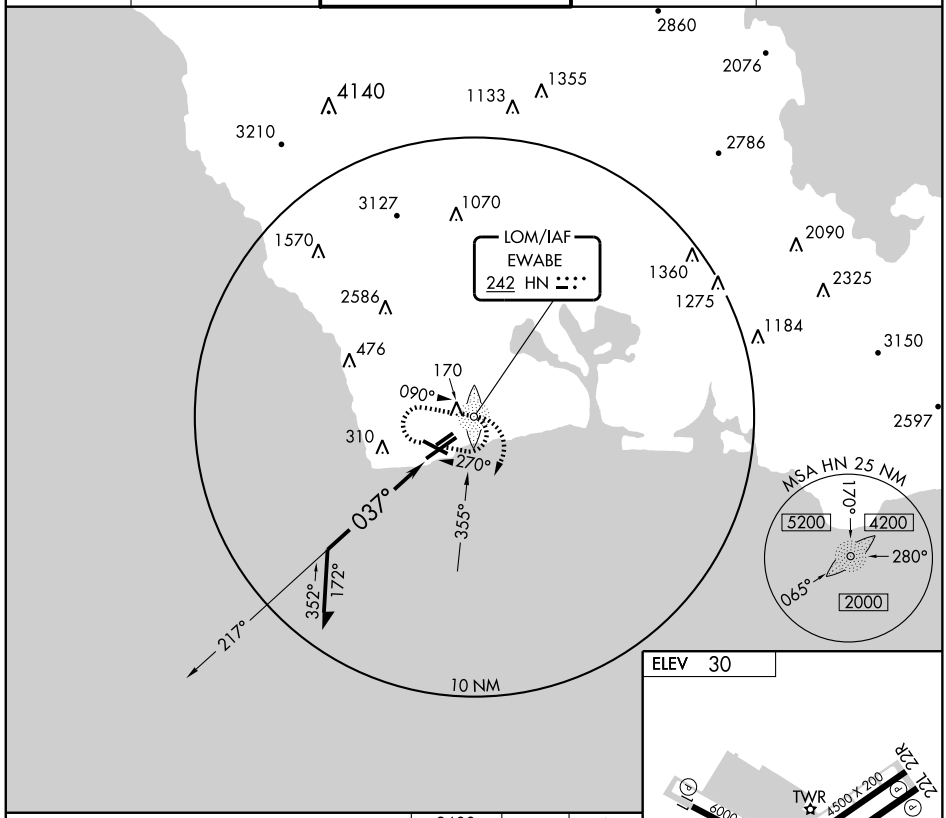
KAPOLEI/ KALAELOA (JOHN RODGERS FIELD) (JRF)(PHJR)

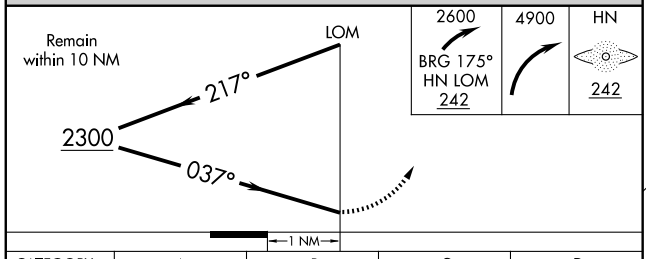
Circling not authorized north of Rwys 11 and 22R.

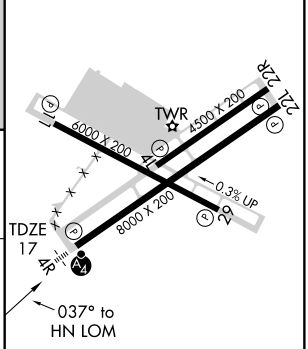
MALSF

MISSED APPROACH: Climbing right turn to 2600 via 175° bearing from HN LOM, then climbing right turn to 4900 direct HN LOM and hold.

ATIS	HCF APPROACH	KALAELOA TOWER ★	GND CON	CLNC DEL
119.8	118.3 269.0	132.6 (CTAF) L 340.2	123.8 336.4	121.7 380.5







CATEGORY	A	B	C	D
S-4R	800-1 783 (800-1)	800-1¼ 783 (800-1¼)	800-2¼ 783 (800-2¼)	800-2½ 783 (800-2½)
CIRCLING	800-1 770 (800-1)	800-1¼ 770 (800-1¼)	800-2¼ 770 (800-2¼)	800-2½ 770 (800-2½)

HIRL Rwy 4R-22L L
MIRL Rwys 4L-22R and 11-29 L

VORTAC HNL	APP CRS	Rwy ldg	8000
114.8	074°	TDZE	17
Chan 95		Apt Elev	30

VOR/DME RWY 4R

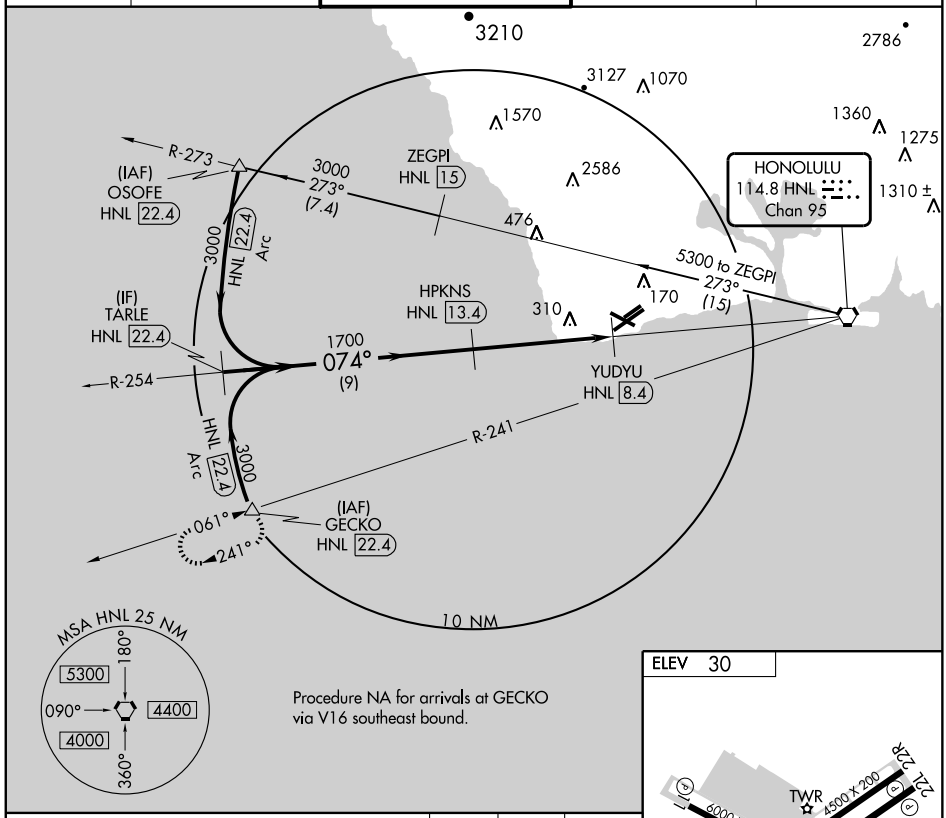
KAPOLEI / KALAELOA (JOHN RODGERS FIELD) (JRF)(PHJR)

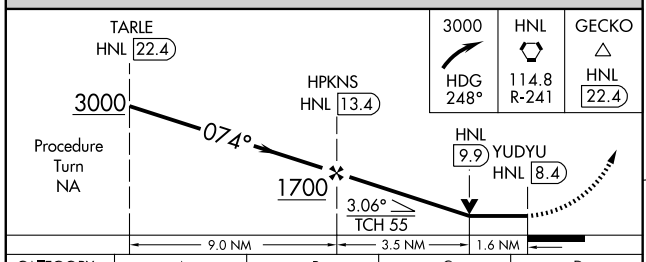
Circling NA north of Rwys 11 and 22R. Inoperative table does not apply.

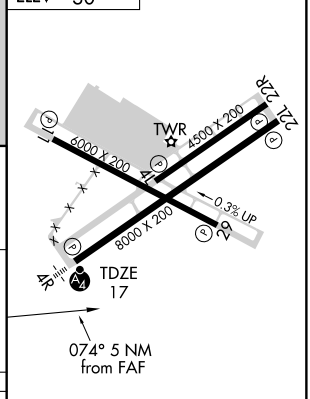
MALSF

MISSED APPROACH: Climbing right turn to 3000 via heading 248° and HNL VORTAC R-241 to GECKO/HNL 22.37 DME and hold.

ATIS	HCF APPROACH	KALAELOA TOWER ★	GND CON	CLNC DEL
119.8	118.3 269.0	132.6 (CTAF) L 340.2	123.8 336.4	121.7 380.5







CATEGORY	A	B	C	D
S-4R	560-1 543 (600-1)		560-1½ 543 (600-1½)	560-1¾ 543 (600-1¾)
CIRCLING	560-1 530 (600-1)	620-1 590 (600-1)	620-1½ 590 (600-1½)	620-2 590 (600-2)

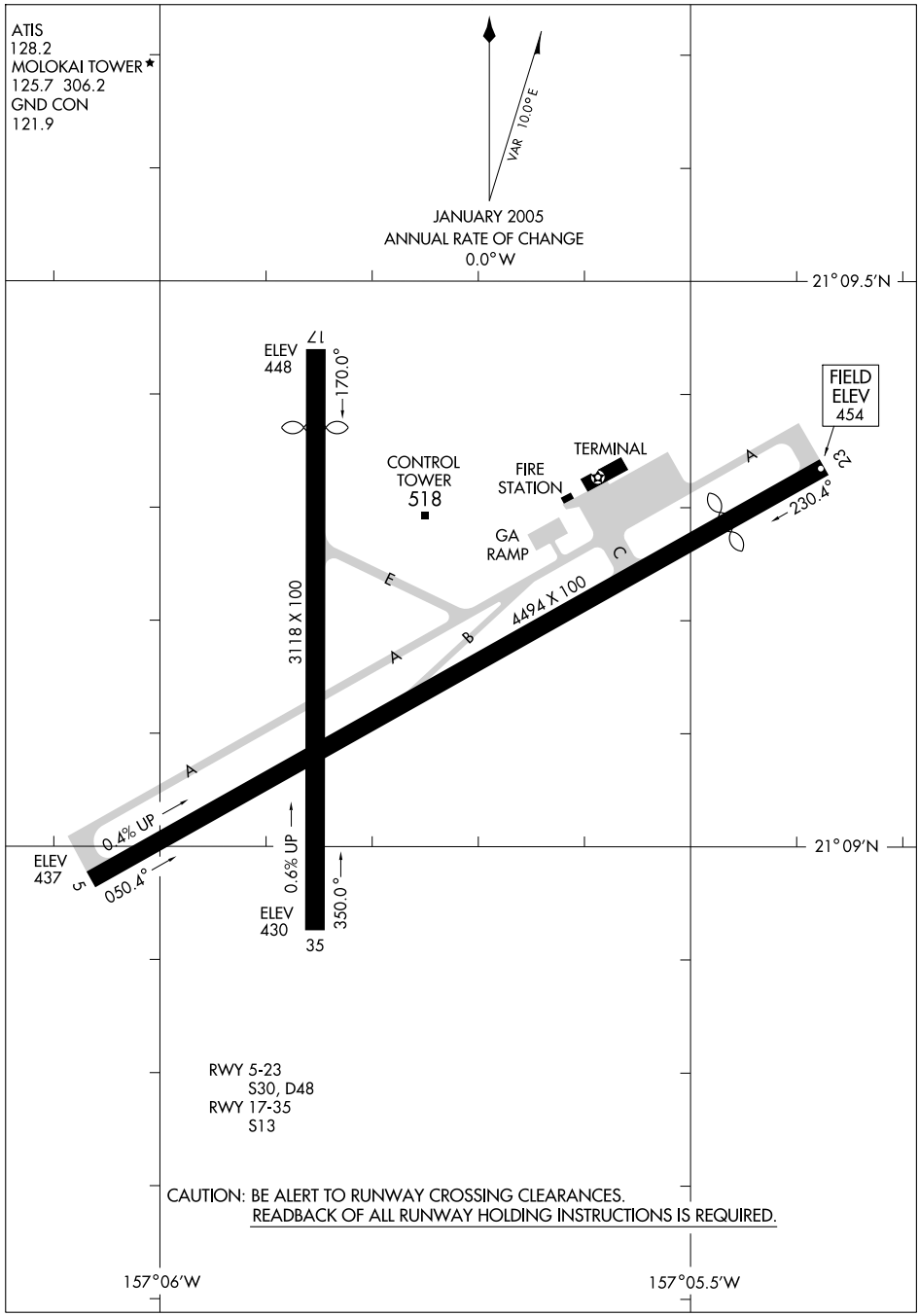
HIRL Rwy 4R-22L L
MIRL Rwys 4L-22R and 11-29 L

PAC. 03 JUN 2010 to 29 JUL 2010

AIRPORT DIAGRAM

AL-759 (FAA)

KAUNAKAKAI/ MOLOKAI (MKK) (PHMK)
KAUNAKAKAI, HAWAII

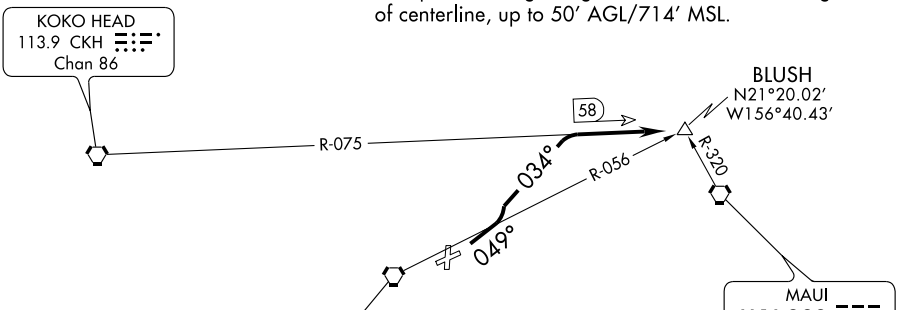


BLUSH ONE DEPARTURE

ATIS
128.2
GND CON
121.9
MOLOKAI TOWER★
125.7 (CTAF) 306.2
HCF APPROACH
124.1 317.5

TAKE-OFF OBSTACLES:

Rwy 5: Pole 2254′ from DER, 222′ right of centerline, 45′ AGL/565′ MSL.
Tree 1.12 NM from DER, 720′ right of centerline, 50′ AGL/675′ MSL.
Fenceline beginning 147′ from DER, 177′ left of centerline, up to 12′ AGL/471′ MSL.
Multiple trees and bushes beginning 50′ from DER, 273′ left of centerline, up to 50′ AGL/551′ MSL.
Obstruction light 1366′ from DER, 79′ right of centerline, 30′ AGL/528′ MSL.
Multiple poles beginning 3065′ from DER, 644′ left of centerline, up to 45′ AGL/623′ MSL.
Multiple trees beginning 4155′ from DER, 184′ right of centerline, up to 50′ AGL/714′ MSL.



TAKE-OFF MINIMUMS:

Rwy 17, 35, 23: NA, ATC.

Rwy 5: STANDARD with minimum obstacle climb of 395′ per NM to 1600′.

NOTE: Chart not to scale.

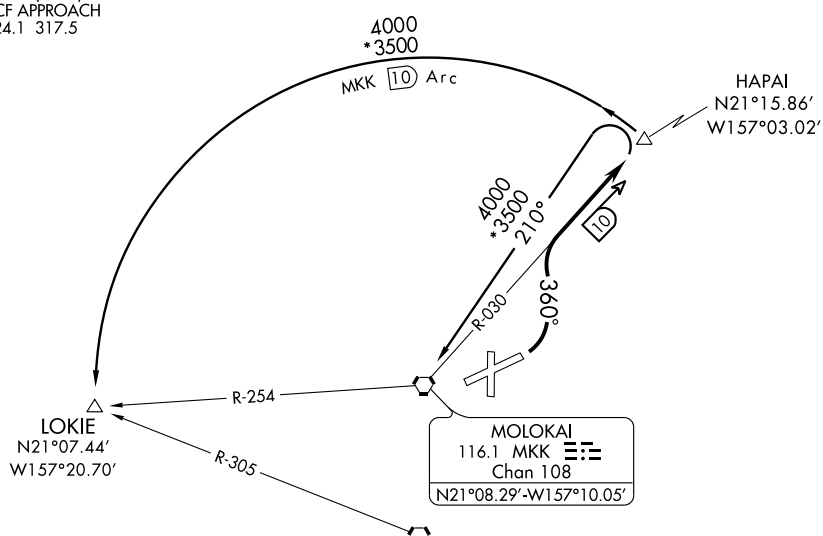
DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RUNWAY 5: Climb via 049° heading to 860, then climbing left turn to 5000 via 034° heading and CKH R-075 to BLUSH INT.

PAC, 03 JUN 2010 to 29 JUL 2010

HAPAI TWO DEPARTURE

ATIS
128.2
GND CON
121.9
MOLOKAI TOWER★
125.7 (CTAF) 306.2
HCF APPROACH
124.1 317.5



TAKE-OFF MINIMUMS:

Rwy 17, 35, 23: NA, ATC.

Rwy 5: STANDARD with minimum obstacle climb of 395′ per NM to 1600′.

NOTE: DME Required.

TAKE-OFF OBSTACLES:

Rwy 5: Pole 2254′ from DER, 222′ right of centerline, 45′ AGL/565′ MSL.
Tree 1.12 NM from DER, 720′ right of centerline, 50′ AGL/675′ MSL.
Fenceline beginning 147′ from DER, 177′ left of centerline, up to 12′ AGL/471′ MSL.
Multiple trees and bushes beginning 50′ from DER, 273′ left of centerline, up to 50′ AGL/551′ MSL.
Obstruction light 1366′ from DER, 79′ right of centerline, 30′ AGL/528′ MSL.
Multiple poles beginning 3065′ from DER, 644′ left of centerline, up to 45′ AGL/623′ MSL.
Multiple trees beginning 4155′ from DER, 184′ right of centerline, up to 50′ AGL/714′ MSL.

NOTE: Chart not to scale

DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RUNWAY 5: Climbing left turn via 360° heading and MKK VORTAC R-030 to HAPAI/10 DME. Thence. . . .

. . . . via (Transition). Maintain 4,000.

LOKIE TRANSITION (HAPAI2.LOKIE): From over HAPAI via MKK VORTAC 10 DME Arc CCW to LOKIE.

MOLOKAI TRANSITION (HAPAI2.MKK): From over HAPAI via 210° heading and MKK R-030 to MKK VORTAC.

PAC, 03 JUN 2010 to 29 JUL 2010

APP CRS	Rwy ldg	N/A
043°	TDZE	N/A
	Apt Elev	454

RNAV (GPS)-B

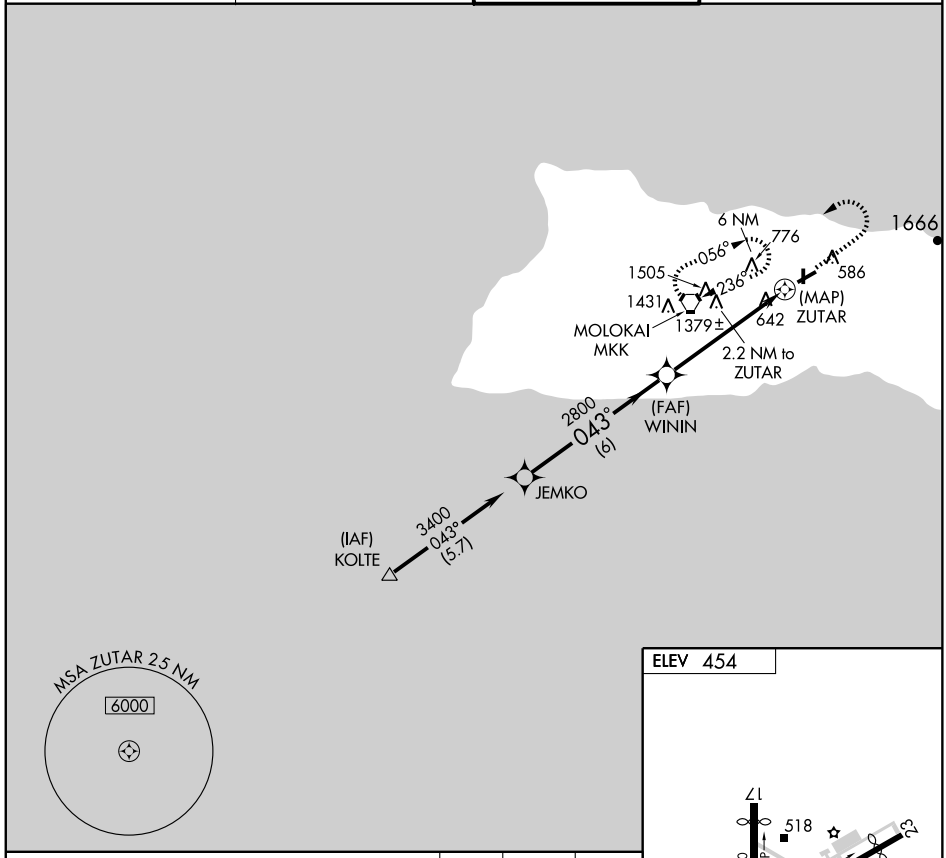
KAUNAKAKAI/MOLOKAI (MKK)(PHMK)

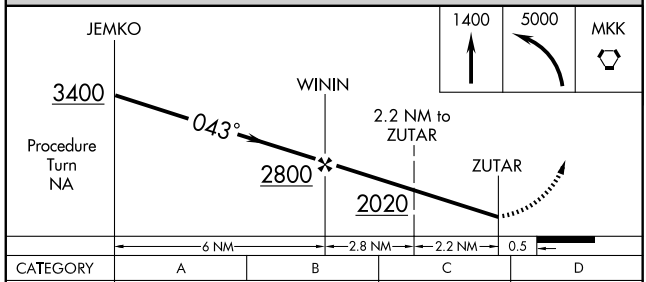
NA

GPS or RNP-0.3 Required.
DME/DME RNP-0.3 NA.

MISSED APPROACH: Climb to 1400 then climbing left turn to 5000 direct MKK VORTAC and hold.

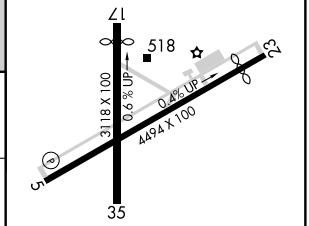
ATIS	HCF APPROACH	MOLOKAI TOWER ★	GND CON
128.2	124.1 317.5	125.7 (CTAF) L 306.2	121.9





CATEGORY	A	B	C	D
CIRCLING	980-1 526 (600-1)		1080-1¾ 626 (700-1¾)	1460-3 1006 (1100-3)

ELEV 454



REIL Rwy 5 L

MIRL Rwys 5-23 and 17-35 L

PAC. 03 JUN 2010 to 29 JUL 2010

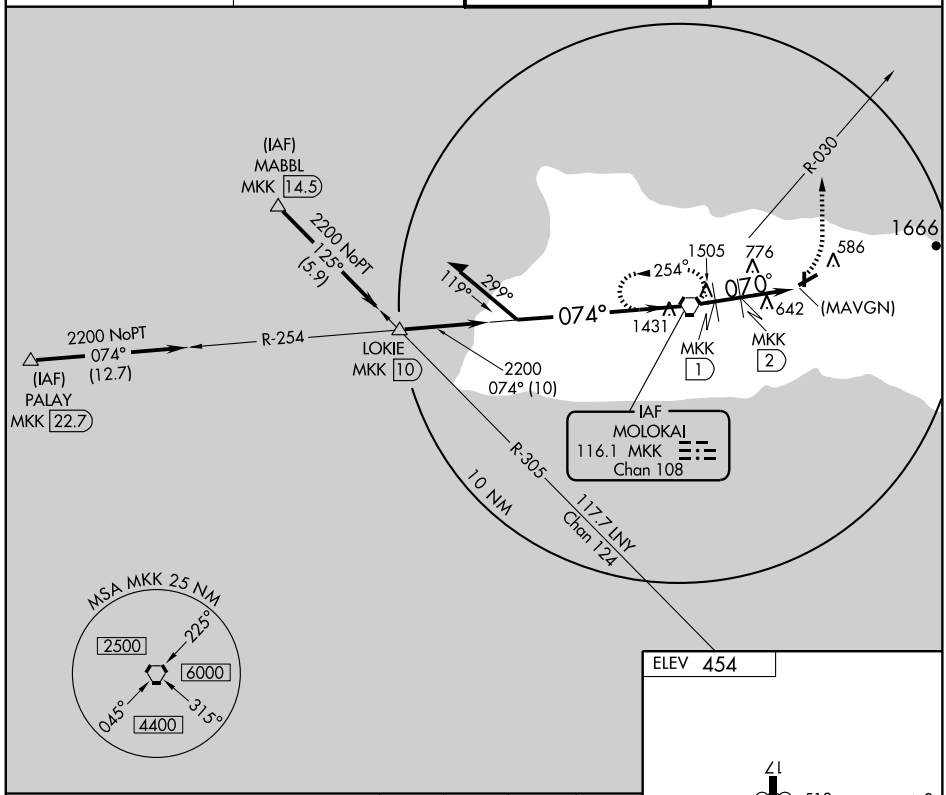
VORTAC MKK 116.1 Chan 108	APP CRS 070°	Rwy ldg N/A TDZE N/A Apt Elev 454

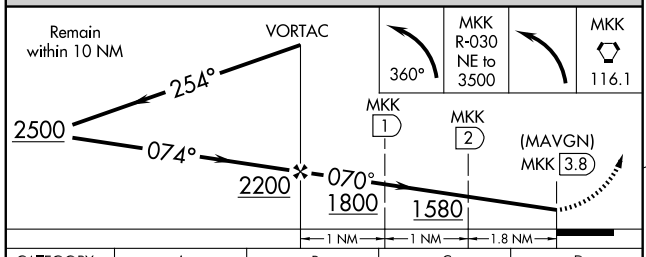
VOR or TACAN or GPS-A

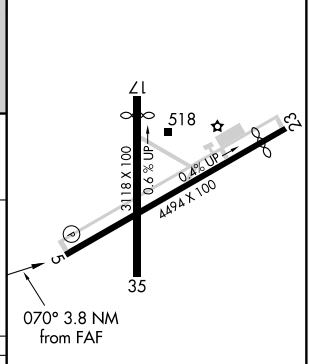
KAUNAKAKAI/MOLOKAI (MKK) (PHMK)

MISSED APPROACH: Climbing left turn via heading 360° to join the MKK R-030 northeast to 3500. Then left turn direct MKK VORTAC and hold.

ATIS	HCF APPROACH	MOLOKAI TOWER★	GND CON
128.2	124.1 317.5	125.7 (CTAF) L 306.2	121.9







CATEGORY	A	B	C	D
CIRCLING	1800-1¼ 1346 (1400-1¼)	1800-1½ 1346 (1400-1½)	1800-3 1346 (1400-3)	
DME MINIMUMS				
CIRCLING	1040-1 586 (600-1)		1080-1¾ 626 (700-1¾)	1460-3 1006 (1100-3)

REIL Rwy 5 L

MIRL Rwys 5-23 and 17-35 L

FAF to MAP 3.8 NM					
Knots	60	90	120	150	180
Min:Sec	3:48	2:32	1:54	1:31	1:16

PAC. 03 JUN 2010 to 29 JUL 2010

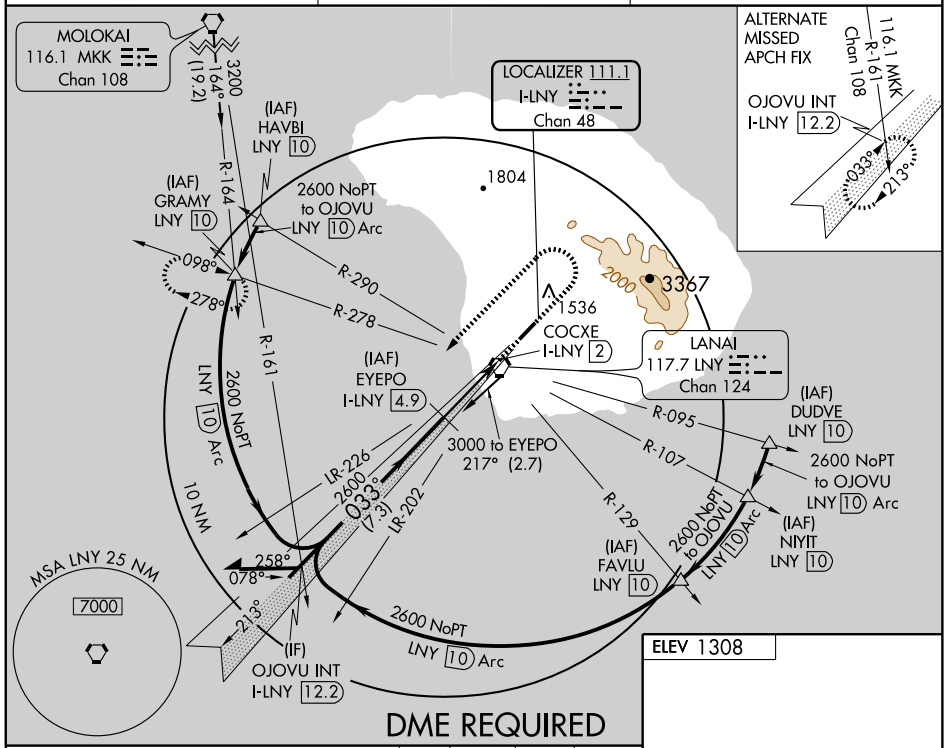
LOC/DME I-LNY 111.1 Chan 48	APP CRS 033°	Rwy ldg 5001 TDZE 1305 Apt Elev 1308

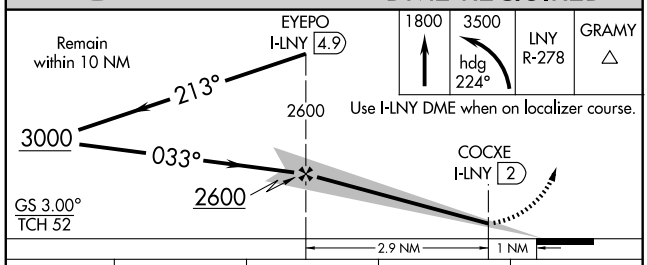
ILS or LOC/DME RWY 3
LANAI (LNY)(PHNY)

Autopilot coupled approach NA below 1505.
NA When local altimeter setting not received, procedure NA, except for operators with approved weather reporting service.

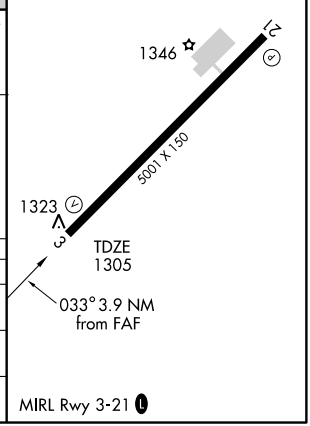
MISSED APPROACH: Climb to 1800 then climbing left turn to 3500 via heading 224° and LNY VORTAC R-278 to GRAMY Int/LNY VORTAC 10 DME and hold.

ASOS	HCF APPROACH	CTAF
118.375	119.3 307.1	122.9 L





CATEGORY	A	B	C	D
S-ILS 3	1586-1 281 (300-1)			
S-LOC 3	1580-1¼ 275 (300-1¼)			
CIRCLING	1900-1¼ 592 (600-1¼)	1940-1¼ 632 (700-1¼)	1960-1¾ 652 (700-1¾)	1960-2 652 (700-2)



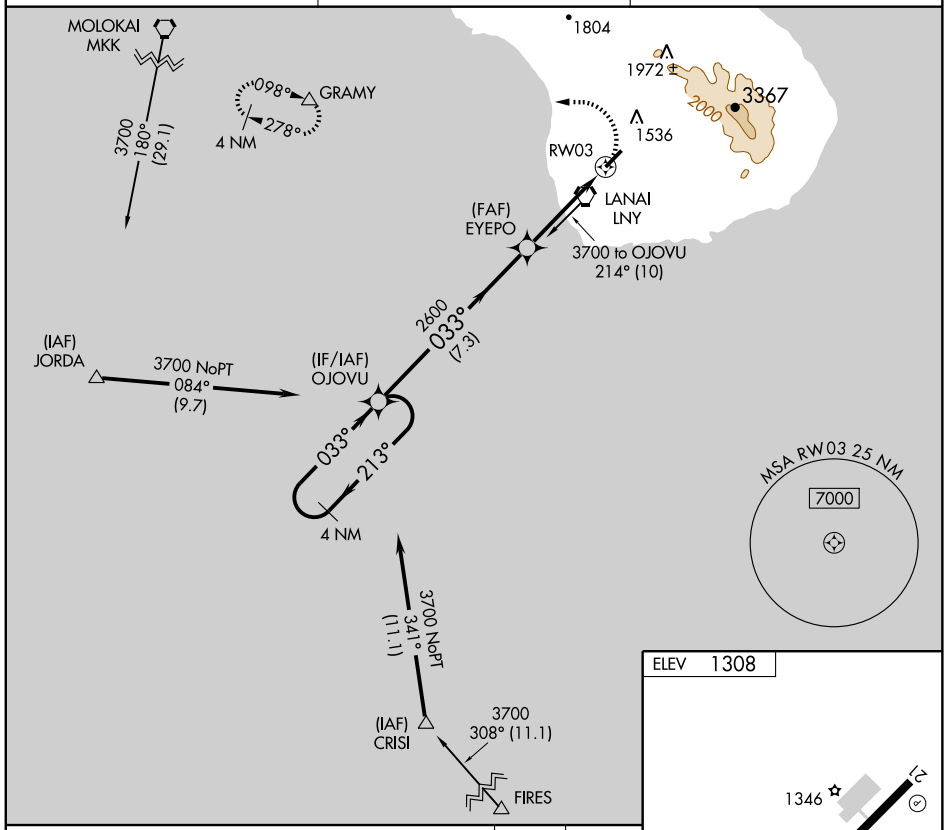
APP CRS	Rwy ldg	5001
033°	TDZE	1305
	Apt Elev	1308

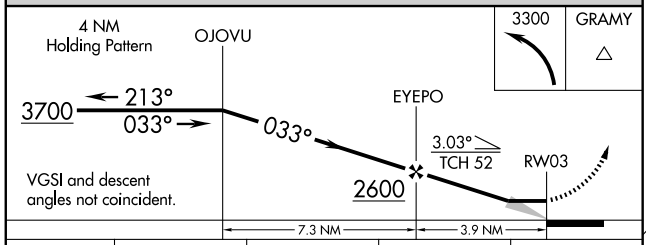
RNAV (GPS) RWY 3
LANAI (LNY)(PHNY)

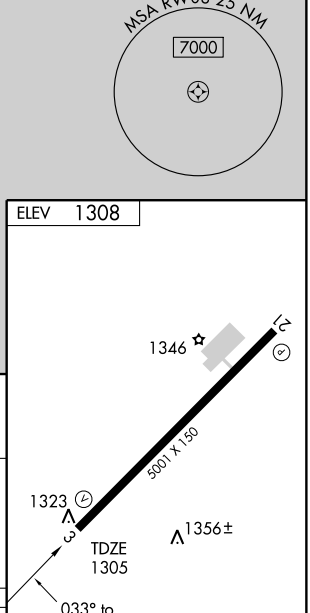
DME/DME RNP-0.3 NA.

MISSED APPROACH: Climbing left turn to 3300 direct GRAMY and hold.

ASOS	HCF APPROACH	CTAF
118.375	119.3 307.1	122.9 L







CATEGORY	A	B	C	D
LNAV MDA	1720-1 415 (500-1)		1720-1¼ 415 (500-1¼)	
CIRCLING	1840-1 532 (600-1)	1880-1 572 (600-1)	1900-1½ 592 (600-1½)	1900-2 592 (600-2)

MIRL Rwy 3-21 L

VORTAC LNY 117.7 Chan 124	APP CRS 098°	Rwy ldg N/A TDZE N/A Apt Elev 1308

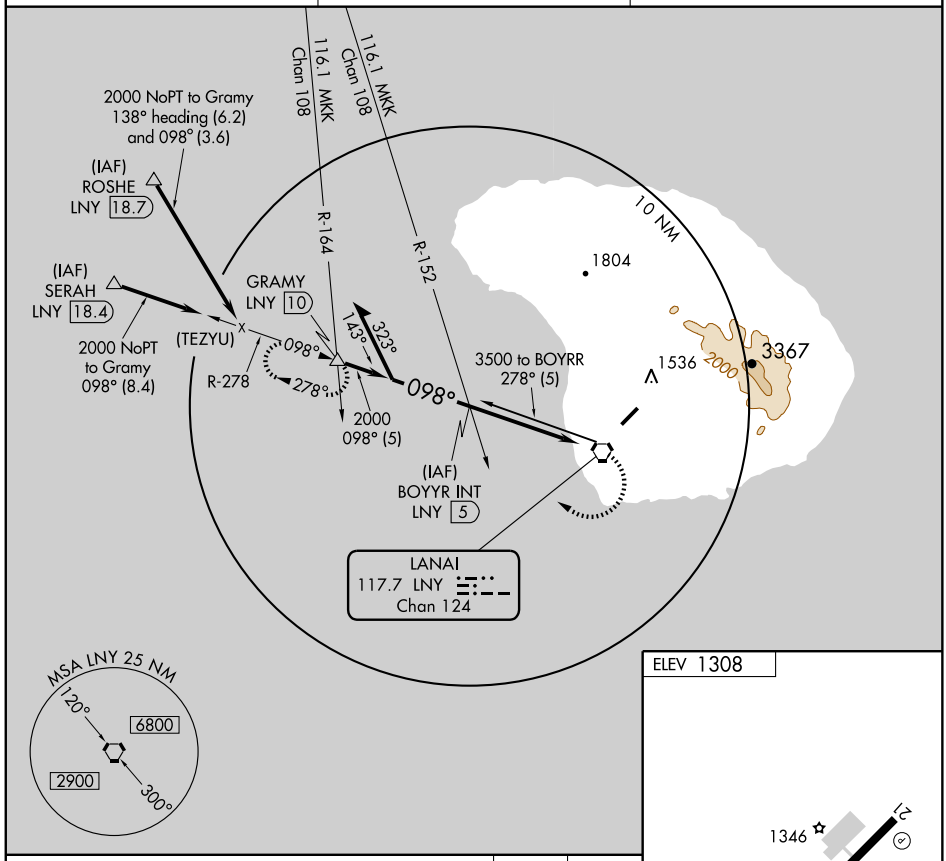
VOR or TACAN or GPS-A

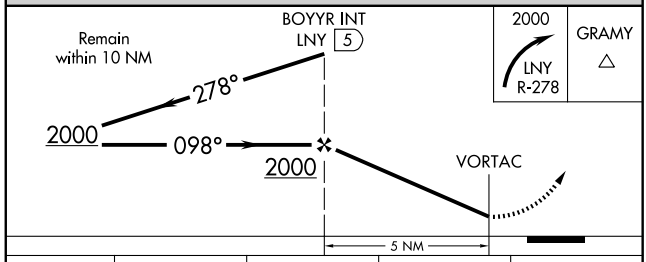
LANAI (LNY)(PHNY)

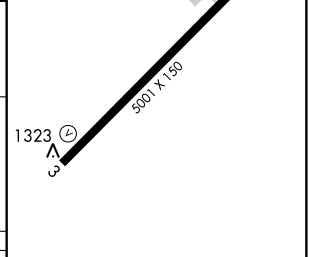
When local altimeter not received, procedure not authorized, except for operators with approved weather reporting service.

MISSED APPROACH: Climbing right turn to 2000 via LNY R-278 to GRAMY Int/LNY 10 DME and hold.

ASOS	HCF APPROACH	CTAF
118.375	119.3 307.1	122.9 L







CATEGORY	A	B	C	D
CIRCLING	1840-1½ 532 (600-1½)	1880-1½ 572 (600-1½)	1900-1½ 592 (600-1½)	1900-2 592 (600-2)

MIRL Rwy 3-21 L

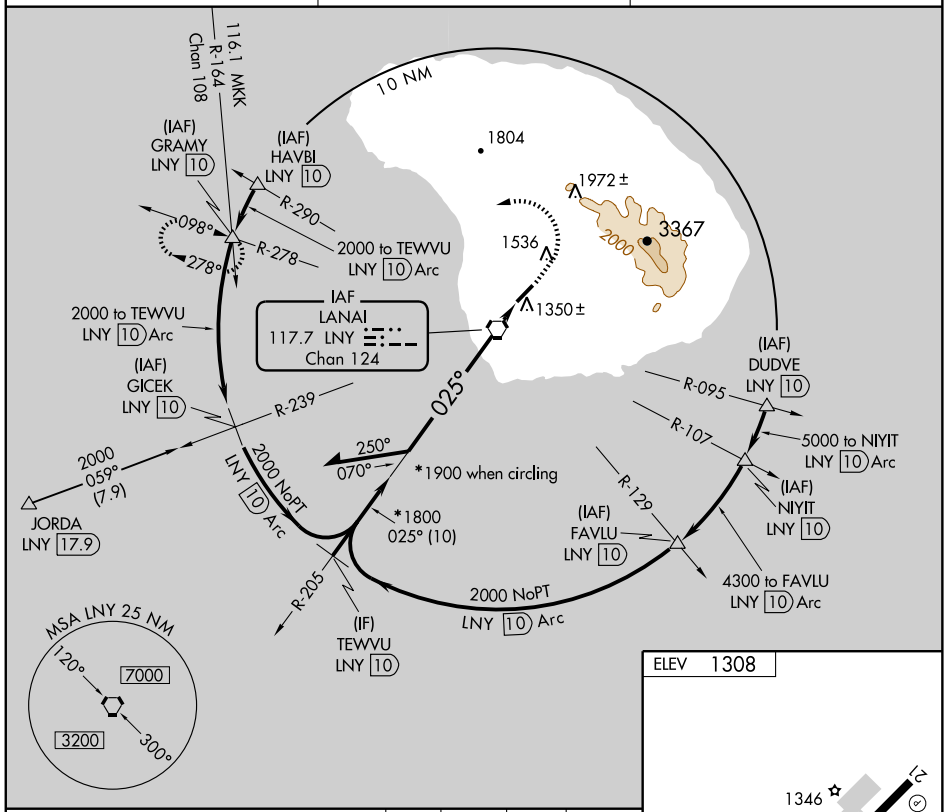
VORTAC LNY 117.7 Chan 124	APP CRS 025°	Rwy ldg 5001 TDZE 1305 Apt Elev 1308

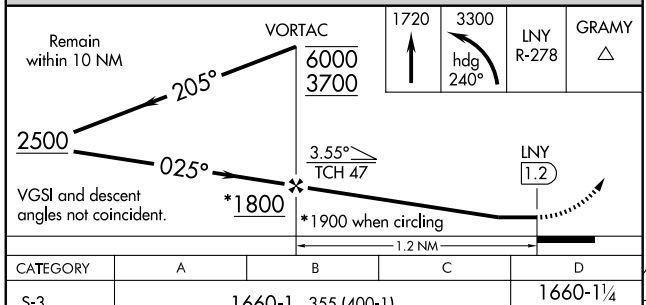
VOR or TACAN RWY 3

LANAI (LNY)(PHNY)

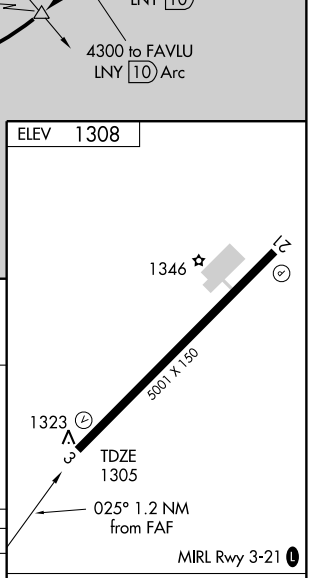
MISSED APPROACH: Climb to 1720 then climbing left turn to 3300 via heading 240° and LNY VORTAC R-278 to GRAMY Int/LNY 10 DME and hold.

ASOS	HCF APPROACH	CTAF
118.375	119.3 307.1	122.9 L





CATEGORY	A	B	C	D
S-3	1660-1 355 (400-1)			1660-1¼ 355 (400-1¼)
CIRCLING	1840-1 532 (600-1)	1880-1 572 (600-1)	1900-1½ 592 (600-1½)	1900-2 592 (600-2)



FAF to MAP 1.2 NM					
Knots	60	90	120	150	180
Min:Sec	1:12	0:48	0:36	0:29	0:24

PAC, 03 JUN 2010 to 29 JUL 2010

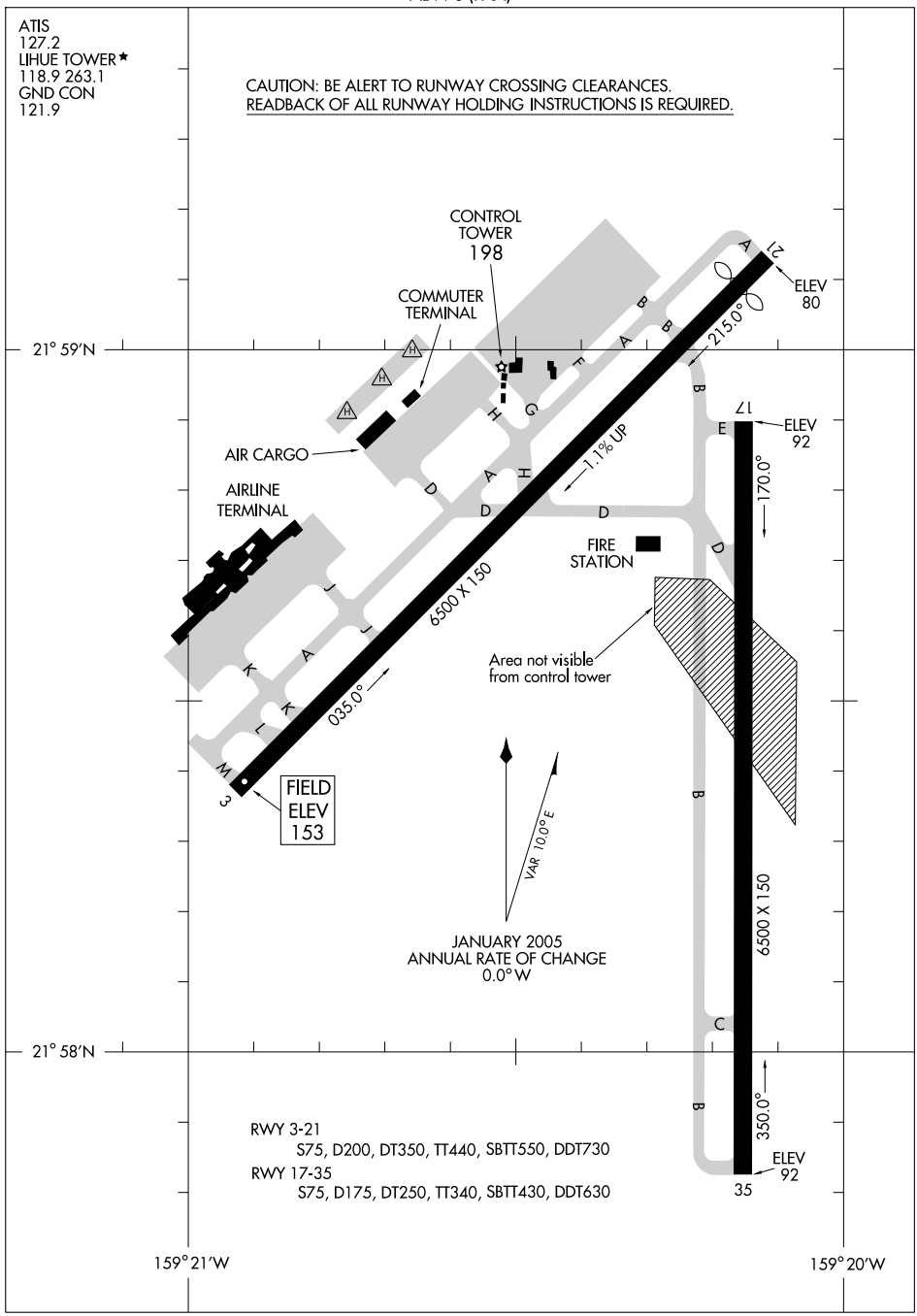
AIRPORT DIAGRAM

AL-776 (FAA)

LIHUE (LIH)(PHLI)
LIHUE, HAWAII

ATIS
127.2
LIHUE TOWER ★
118.9 263.1
GND CON
121.9

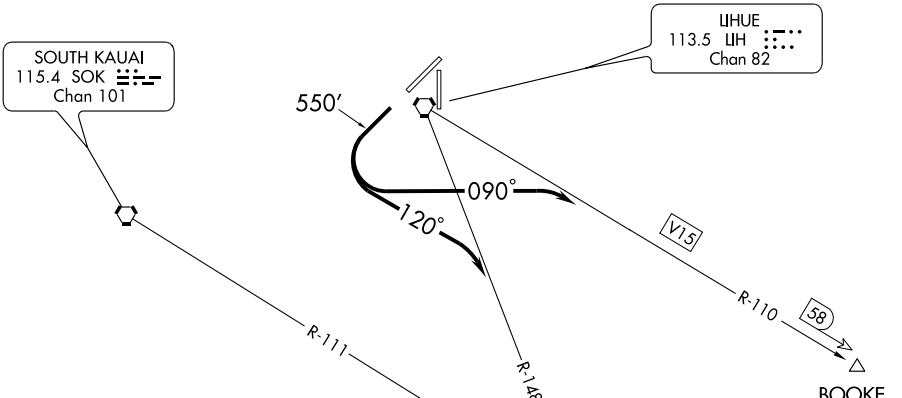
CAUTION: BE ALERT TO RUNWAY CROSSING CLEARANCES.
READBACK OF ALL RUNWAY HOLDING INSTRUCTIONS IS REQUIRED.



RWY 3-21
S75, D200, DT350, TT440, SBTT550, DDT730
RWY 17-35
S75, D175, DT250, TT340, SBTT430, DDT630

DIANE ONE DEPARTURE

ATIS
127.2
GND CON
121.9
LIHUE TOWER★
118.9 (CTAF) 263.1
HCF APPROACH
126.5 269.4



TAKE-OFF MINIMUMS: Rwy 21, 2400-3

NOTE: Honolulu CERAP radio call is "Honolulu Center".

NOTE: Ridgeline 1.5 NM south to 6 NM southwest, 900′ to 2400′ MSL.

NOTE: Terrain heights to 2297′ MSL occur within 4.2 NM southwest of the airport.

NOTE: This Departure not authorized for Rwy 3, Rwy 17, Rwy 35.

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RUNWAY 21:

To V15: Climb runway heading to 550 then climbing left turn, heading 090°, to intercept LIH R-110 (V15), maintain 5000, direct BOOKE INT or as assigned.

To LIH R-148: Climb runway heading to 550, then climbing left turn, heading 120°, to intercept LIH R-148, maintain 3000, direct NAPUA INT or as assigned.

PAC, 03 JUN 2010 to 29 JUL 2010

LOC/DME I-LIH 110.9 Chan 46	APP CRS 349°	Rwy ldg 6500 TDZE 96 Apt Elev 153

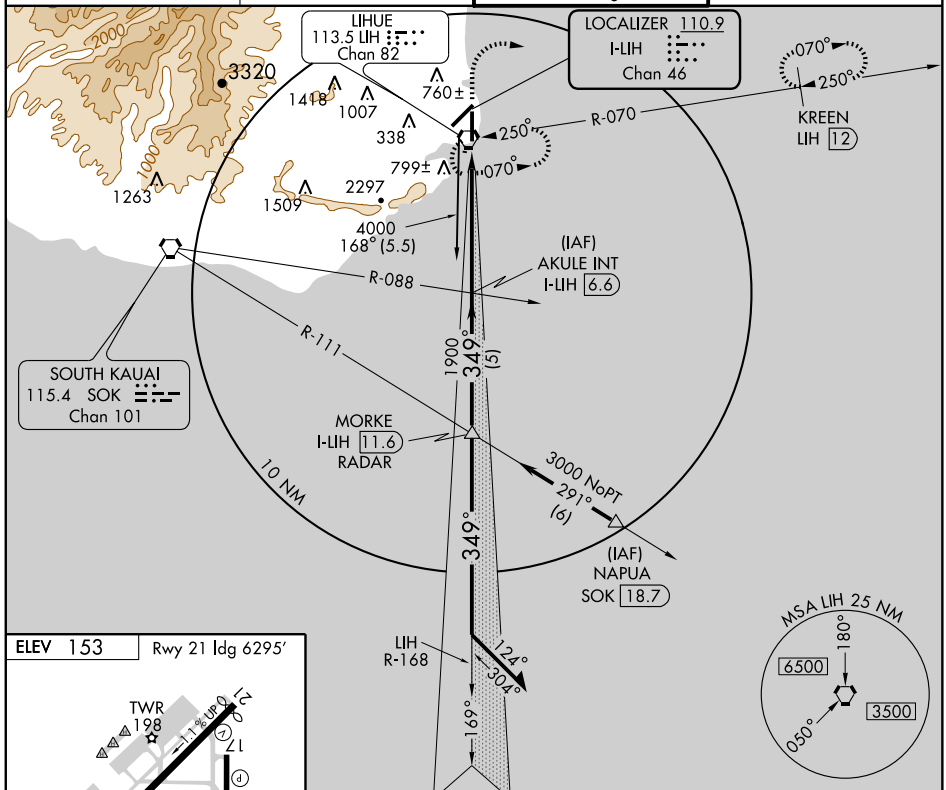
ILS or LOC RWY 35
LIHUE (LIH)(PHLI)

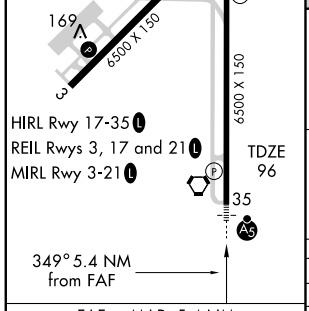
Circling NA west of Rwy 17-35.
Circling NA at night.
For inoperative MALSR, increase S-LOC Cat. D and E visibility to 1 mile.

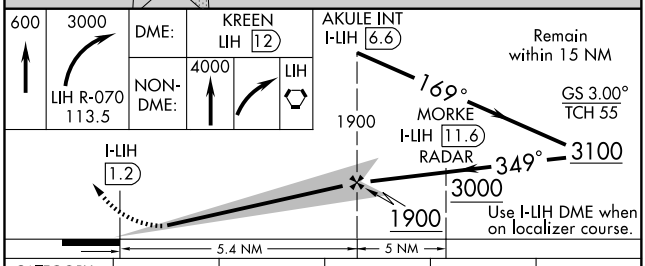
MALSR

MISSED APPROACH: Climb to 600 then climbing right turn to 3000 via LIH R-070. DME aircraft continue to KREEN/LIH 12 DME and hold. Non-DME aircraft continue climb to 4000 then right turn direct LIH VORTAC and hold East, left turn, 250° inbound.

ATIS	HCF APPROACH	LIHUE TOWER ★	GND CON
127.2	126.5 269.4	118.9 (CTAF) L 263.1	121.9







CATEGORY	A	B	C	D	E
S-ILS 35	296-½ 200 (200-½)				
S-LOC 35	400-½ 304 (300-½)			400-¾ 304 (300-¾)	
CIRCLING	520-1 367 (400-1)	620-1 467 (500-1)	620-1½ 467 (500-1½)	720-2 567 (600-2)	NA

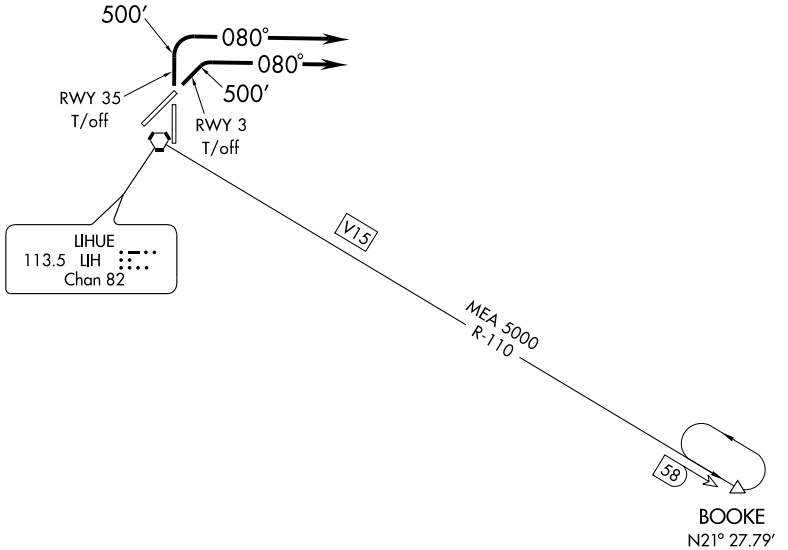
FAF to MAP 5.4 NM

Knots	60	90	120	150	180
Min:Sec	5:24	3:36	2:42	2:10	1:48

PAC. 03 JUN 2010 to 29 JUL 2010

LIHUE FIVE DEPARTURE

ATIS
127.2
GND CON
121.9
LIHUE TOWER★
118.9 (CTAF) 263.1
HCF APPROACH
126.5 269.4



NOTE: DME Required.

NOTE: Honolulu CERAP radio call is "Honolulu Center".

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

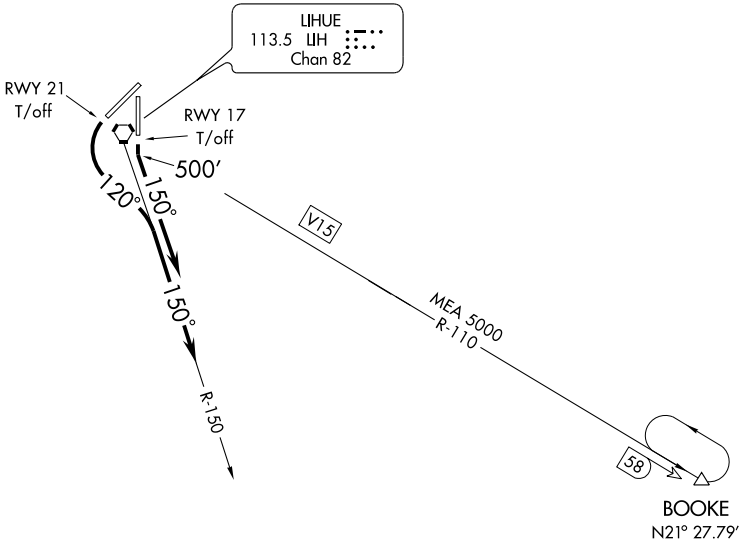
TAKE-OFF RUNWAYS 3 and 35: Climb runway heading to 500, then climbing right turn to heading 080°, expect radar vectors to intercept LIH R-110 to BOOKE DME fix. MEA 5000.

LOST COMMUNICATIONS: If not in contact with Honolulu CERAP one minute after departure, maintain SID heading until 10 NM east of LIH VORTAC, then intercept LIH R-110 to BOOKE DME fix. MEA 5000.

PAC. 03 JUN 2010 to 29 JUL 2010

RICHE TWO DEPARTURE

ATIS
127.2
GND CON
121.9
LIHUE TOWER★
118.9 (CTAF) 263.1
HCF APPROACH
126.5 269.4



NOTE: DME Required.

NOTE: Honolulu CERAP radio call is "Honolulu Center".

NOTE: Terrain heights to 2297′ occur within 4.5 NM southwest of the airport.

NOTE: Chart not to scale.

DEPARTURE ROUTE DESCRIPTION

TAKE-OFF RUNWAY 17: Climb runway heading to 500 feet , then climbing left turn to heading 150° , expect radar vectors to intercept LIH R-110 to BOOKE DME fix. MEA 5000.

TAKE-OFF RUNWAY 21: Immediate climbing left turn to heading 120° until crossing LIH R-150, thence fly heading 150° , expect radar vectors to intercept LIH R-110 to BOOKE DME fix. MEA 5000.

LOST COMMUNICATIONS: If not in contact with Honolulu CERAP one minute after departure, maintain SID heading until 10 NM southeast of LIH VORTAC, then intercept LIH R-110 to BOOKE DME fix. MEA 5000.

PAC: 03 JUN 2010 to 29 JUL 2010

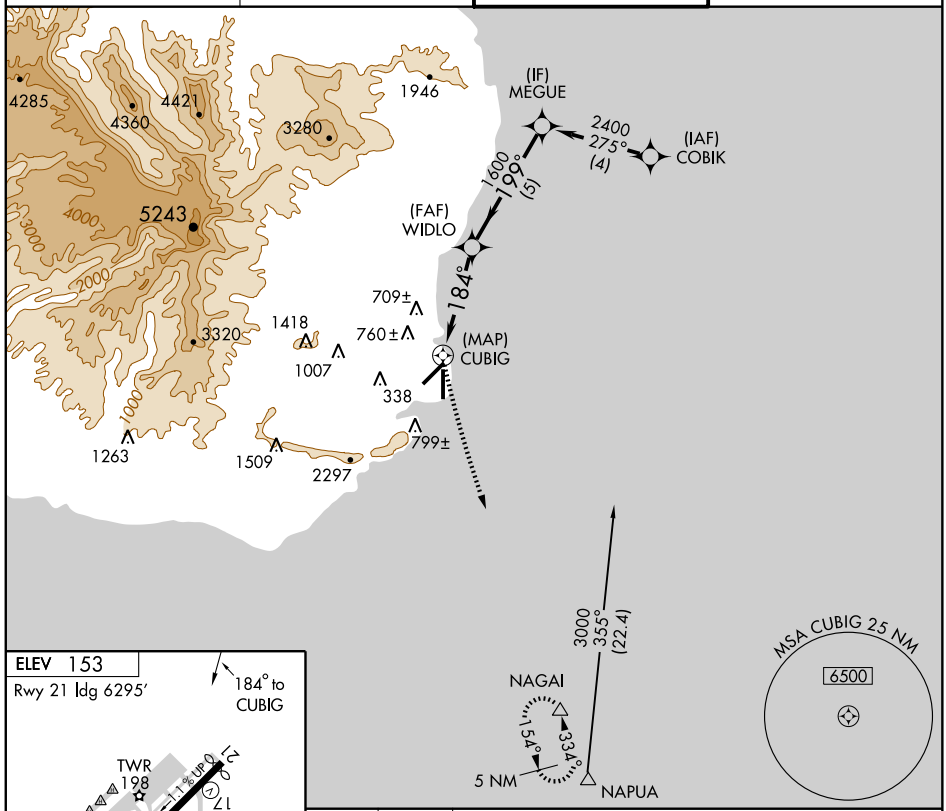
APP CRS	Rwy ldg	6500
184°	TDZE	99
	Apt Elev	153

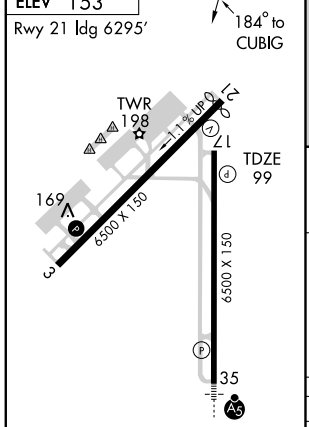
RNAV (GPS) RWY 17
LIHUE (LIH)(PHLI)

Circling NA between Rwys 3 and 35.
DME/DME RNP-0.3 NA.
Circling NA at night.

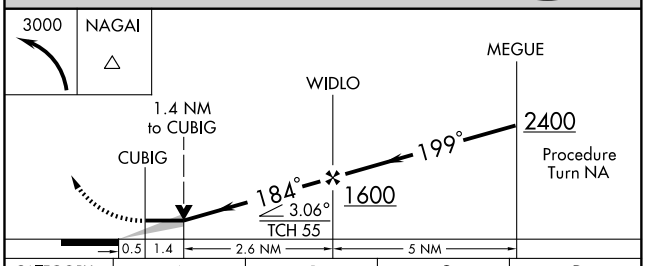
MISSED APPROACH: Climbing left turn to 3000 direct NAGAI and hold.

ATIS	HCF APPROACH	LIHUE TOWER★	GND CON
127.2	126.5 269.4	118.9 (CTAF) 263.1	121.9





HIRL Rwy 17-35 (L)
REIL Rwys 3, 17 and 21 (L)
MIRL Rwy 3-21 (L)



CATEGORY	A	B	C	D
LNAV MDA	740-1 641 (600-1)		740-1¾ 641 (600-1¾)	740-2 641 (600-2)
CIRCLING	740-1 587 (600-1)	1000-1¼ 847 (900-1¼)	1060-2¾ 907 (1000-2¾)	1060-3 907 (1000-3)

PAC, 03 JUN 2010 to 29 JUL 2010

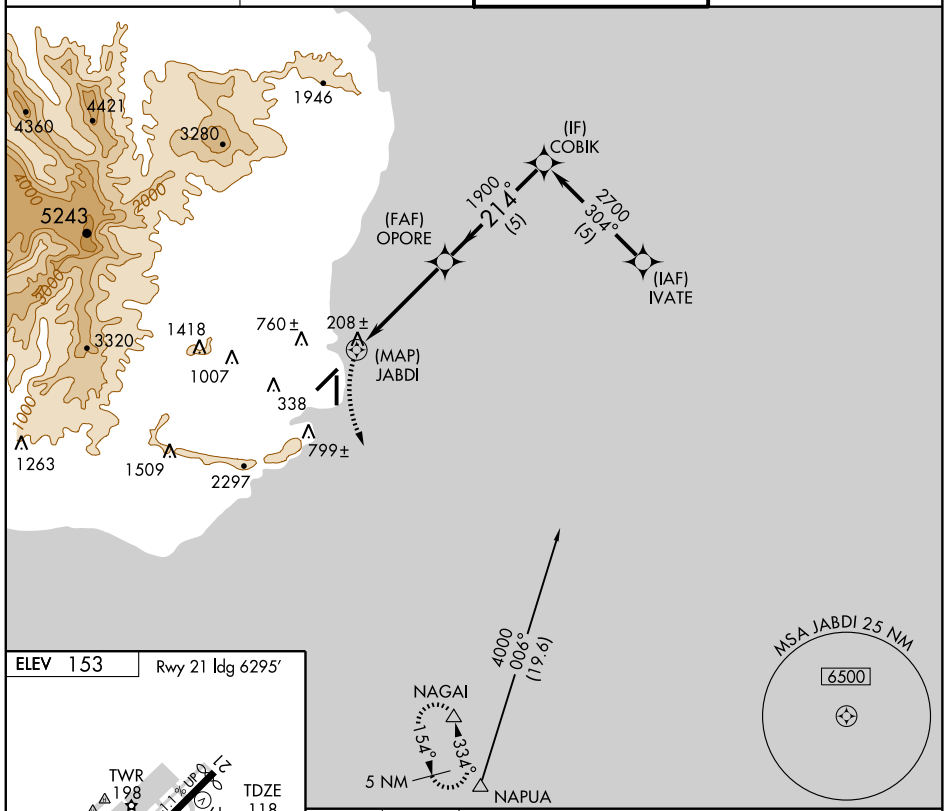
APP CRS	Rwy ldg	6295
214°	TDZE	118
	Apt Elev	153

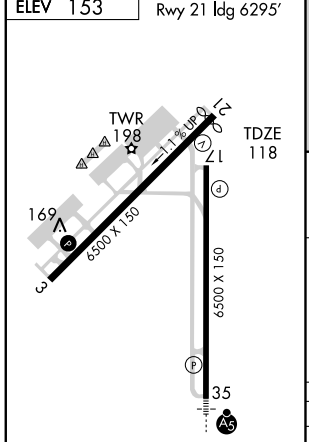
RNAV (GPS) Y RWY 21
LIHUE (LIH)(PHLI)

DME/DME RNP-0.3 NA.
Circling NA between Rwys 3 and 35.
Circling NA at night.

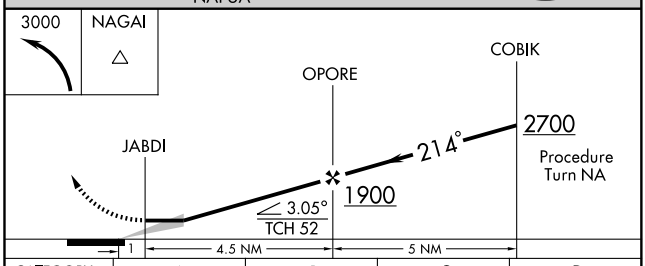
MISSED APPROACH: Climbing left turn to 3000 direct NAGAI and hold.

ATIS	HCF APPROACH	LIHUE TOWER★	GND CON
127.2	126.5 269.4	118.9 (CTAF) L 263.1	121.9





HIRL Rwy 17-35 L
REIL Rwys 3, 17 and 21 L
MIRL Rwy 3-21 L



CATEGORY	A	B	C	D
LNAV MDA	580-1¼ 462 (500-1¼)			580-1½ 462 (500-1½)
CIRCLING	600-1¼ 447 (500-1¼)	1000-1¼ 847 (900-1¼)	1060-2¾ 907 (1000-2¾)	1060-3 907 (1000-3)

PAC, 03 JUN 2010 to 29 JUL 2010

APP CRS	Rwy ldg	6500
349°	TDZE	96
	Apt Elev	153

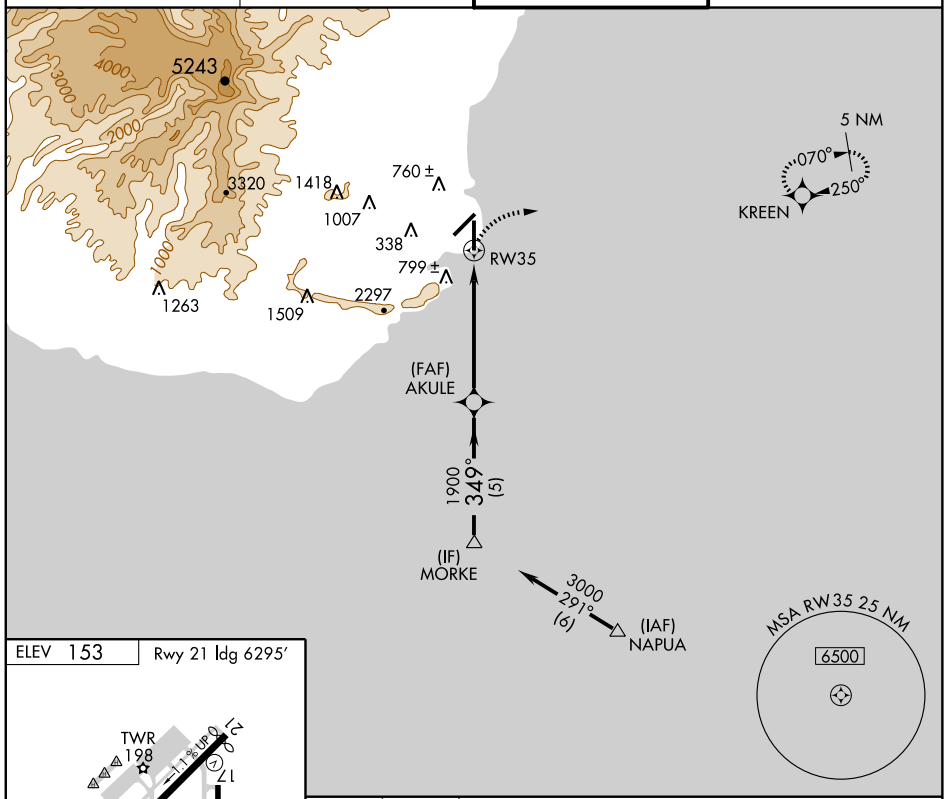
RNAV (GPS) Y RWY 35
LIHUE (LIH)(PHLI)

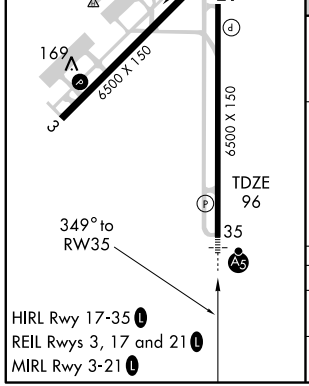
For inoperative MALSR, increase LNAV Cat. A visibility to 1 mile and Cat. E to 3 miles. Circling NA west of Rwy 17-35. Circling NA at night. DME/DME RNP-0.3 NA.

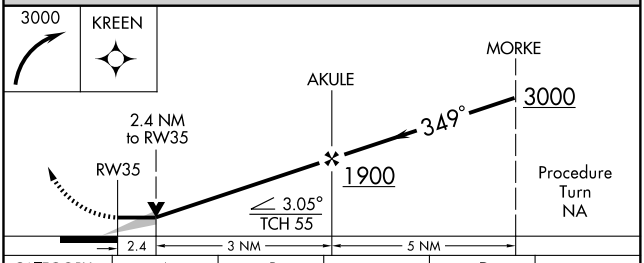
MALSR

MISSED APPROACH: Climbing right turn to 3000 direct KREEN WP and hold.

ATIS	HCF APPROACH	LIHUE TOWER★	GND CON
127.2	126.5 269.4	118.9 (CTAF) L 263.1	121.9







CATEGORY	A	B	C	D	E
LNAV MDA	920-¾ 824 (800-¾)		920-2 824 (800-2)	920-2¼ 824 (800-2¼)	920-2½ 824 (800-2½)
CIRCLING	920-1 767 (800-1)	920-1¼ 767 (800-1¼)	920-2¼ 767 (800-2¼)	920-2½ 767 (800-2½)	NA

PAC, 03 JUN 2010 to 29 JUL 2010

APP CRS	Rwy ldg	6295
214°	TDZE	118
	Apt Elev	153

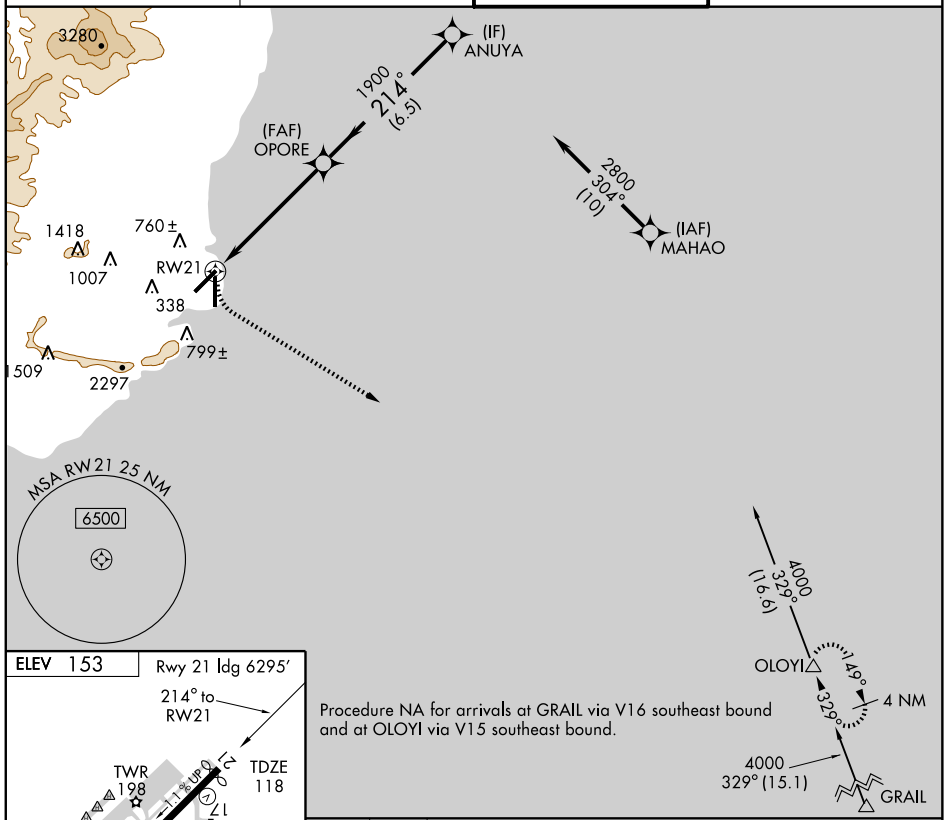
RNAV (RNP) Z RWY 21
LIHUE (LIH)(PHLI)

NA

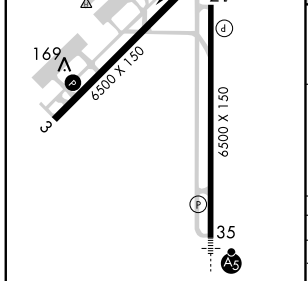
*Missed approach requires minimum climb rate of 350 feet per NM to 2500. For uncompensated Baro-VNAV systems, procedure NA below 14° C (57° F) or above 48° C (119° F). GPS REQUIRED.

MISSED APPROACH: Climbing left turn to 3000 direct OLOYI and hold.

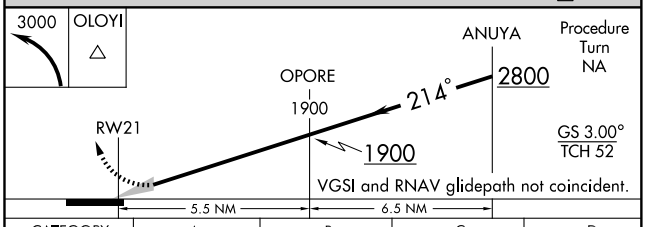
ATIS	HCF APPROACH	LIHUE TOWER*	GND CON
127.2	126.5 269.4	118.9(CTAF)L 263.1	121.9



Procedure NA for arrivals at GRAIL via V16 southeast bound and at OLOYI via V15 southeast bound.



HIRL Rwy 17-35 L
REIL Rwys 3, 17 and 21 L
MIRL Rwy 3-21 L



CATEGORY	A	B	C	D
RNP 0.30 DA *	663-2 545 (600-2)			
RNP 0.30 DA	1078-4 960 (1000-4)			

SPECIAL AIRCRAFT & AIRCREW AUTHORIZATION REQUIRED

PAC: 03 JUN 2010 to 29 JUL 2010

APP CRS	Rwy ldg	6500
349°	TDZE	96
	Apt Elev	153

RNAV (RNP) Z RWY 35
LIHUE (LIH)(PHLI)

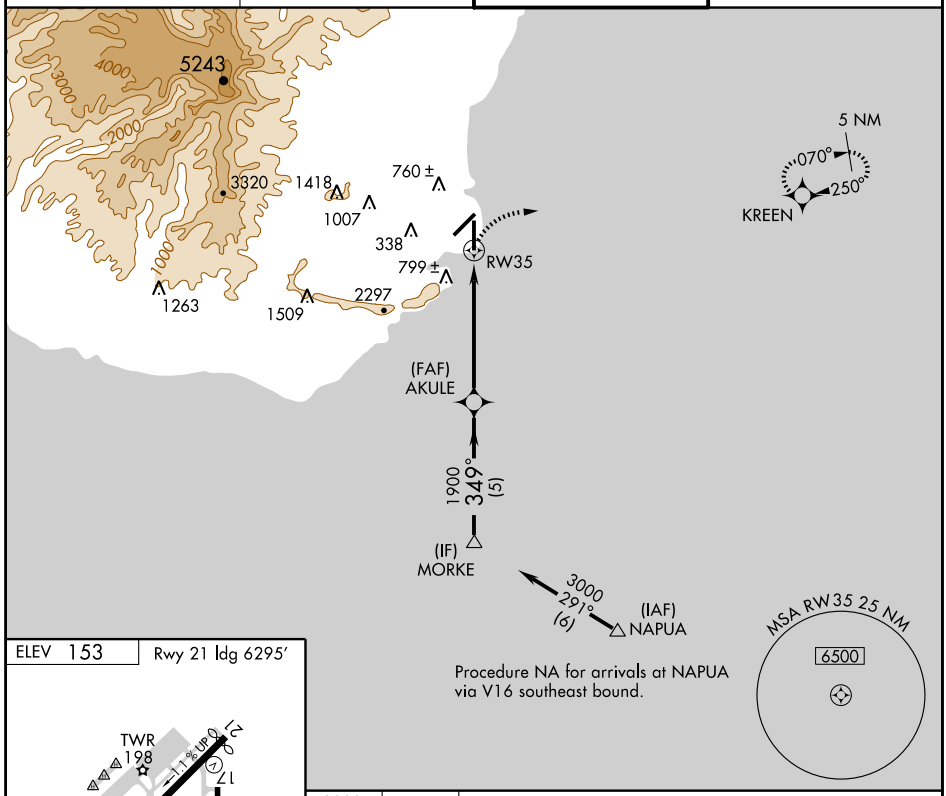
T NA

GPS REQUIRED. For inoperative MALSR, increase RNP 0.30 visibility to 1¾. For uncompensated Baro-VNAV systems, procedure NA below 14° C (57° F) or above 48° C (119° F).

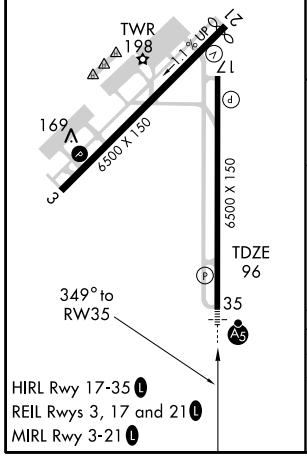
MALSR A5

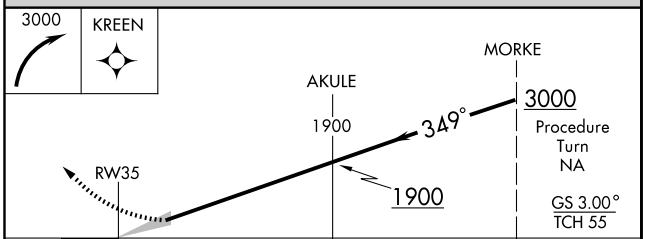
MISSED APPROACH: Climbing right turn to 3000 direct KREEN and hold.

ATIS	HCF APPROACH	LIHUE TOWER★	GND CON
127.2	126.5 269.4	118.9 (CTAF) L 263.1	121.9



ELEV 153 | Rwy 21 ldg 6295′





CATEGORY	A	B	C	D
RNP 0.30 DA	599-1¼ 503 (500-1¼)			

SPECIAL AIRCRAFT & AIRCREW AUTHORIZATION REQUIRED

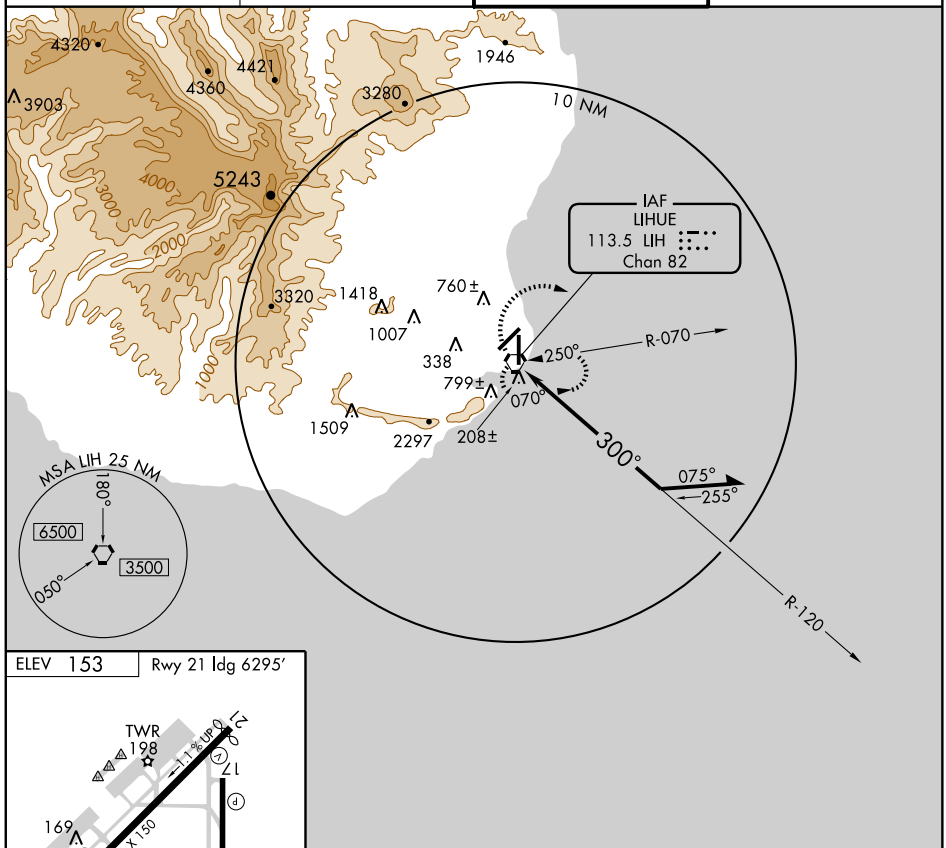
VORTAC LIH 113.5 Chan 82	APP CRS 300°	Rwy ldg N/A TDZE N/A Apt Elev 153

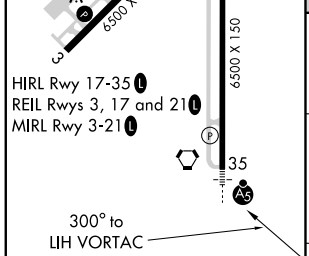
VOR-A
LIHUE (LIH)(PHLI)

Circling NA west of Rwy 17-35.
Procedure NA at night.

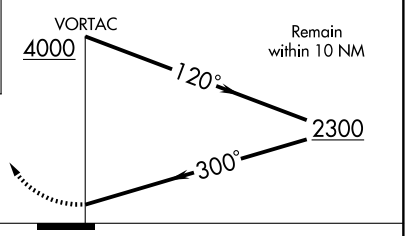
MISSED APPROACH: Climbing right turn to 3000 via heading 100° and LIH VORTAC R-070 then climbing right turn to 4000 direct LIH VORTAC and hold.

ATIS	HCF APPROACH	LIHUE TOWER ★	GND CON
127.2	126.5 269.4	118.9 (CTAF) L 263.1	121.9





3000	LIH R-070 113.5	4000	LIH
HDG 100°			



Knots	60	90	120	150	180
Min:Sec					

CATEGORY	A	B	C	D
CIRCLING	800-1 647 (700-1)		800-1¾ 647 (700-1¾)	800-2 647 (700-2)

PAC. 03 JUN 2010 to 29 JUL 2010

VORTAC LIH 113.5 Chan 82	APP CRS 191°	Rwy ldg 6295 TDZE 118 Apt Elev 153

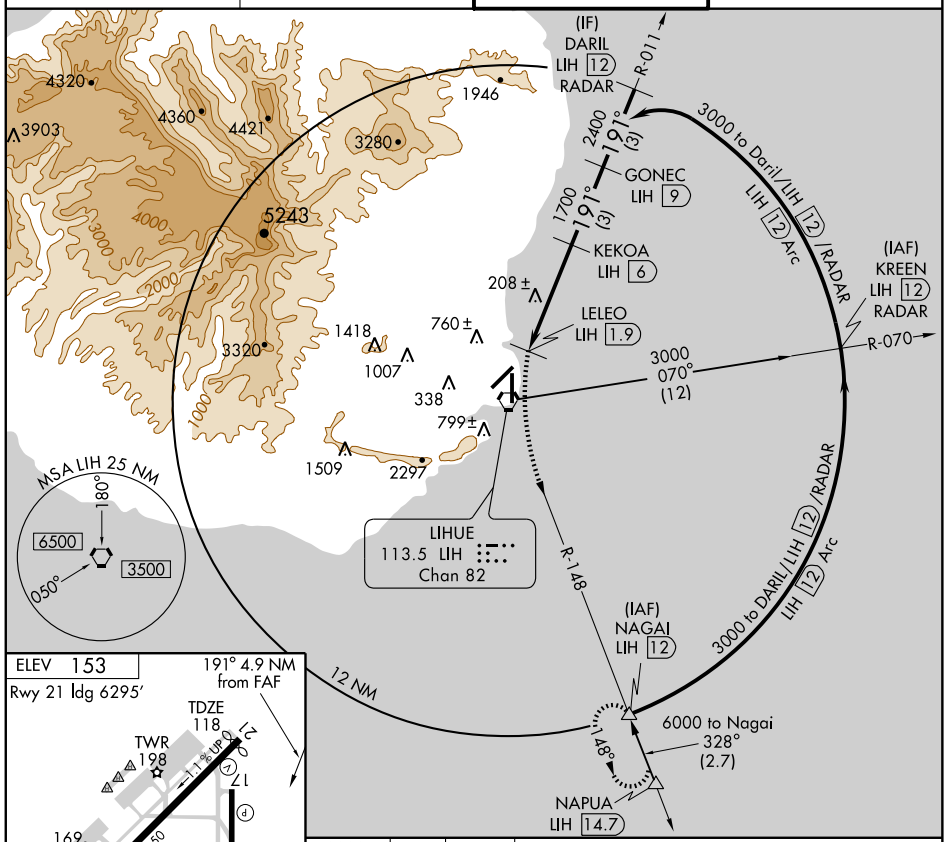
VOR/DME or TACAN RWY 21

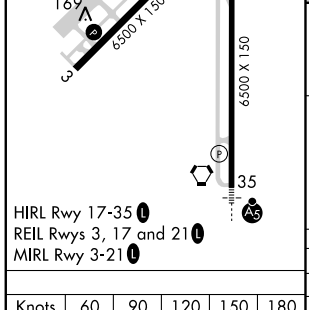
LIHUE (LIH)(PHLI)

Circling NA west of Rwy 17-35.
Circling NA at night.

MISSED APPROACH: Climbing left turn to 3000 via heading 152° and LIH VORTAC R-148 to NAGAI/12 DME and hold.

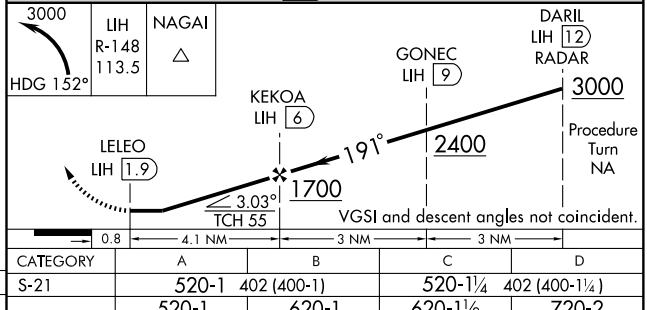
ATIS	HCF APPROACH	LIHUE TOWER ★	GND CON
127.2	126.5 269.4	118.9 (CTAF) L 263.1	121.9





HIRL Rwy 17-35 L
REIL Rwys 3, 17 and 21 L
MIRL Rwy 3-21 L

Knots	60	90	120	150	180
Min:Sec					



CATEGORY	A	B	C	D
S-21	520-1 402 (400-1)		520-1¼ 402 (400-1¼)	
CIRCLING	520-1 367 (400-1)	620-1 467 (500-1)	620-1½ 467 (500-1½)	720-2 567 (600-2)

PAC, 03 JUN 2010 to 29 JUL 2010

VOR or TACAN RWY 35

LIHUE (LIH)(PHLI)

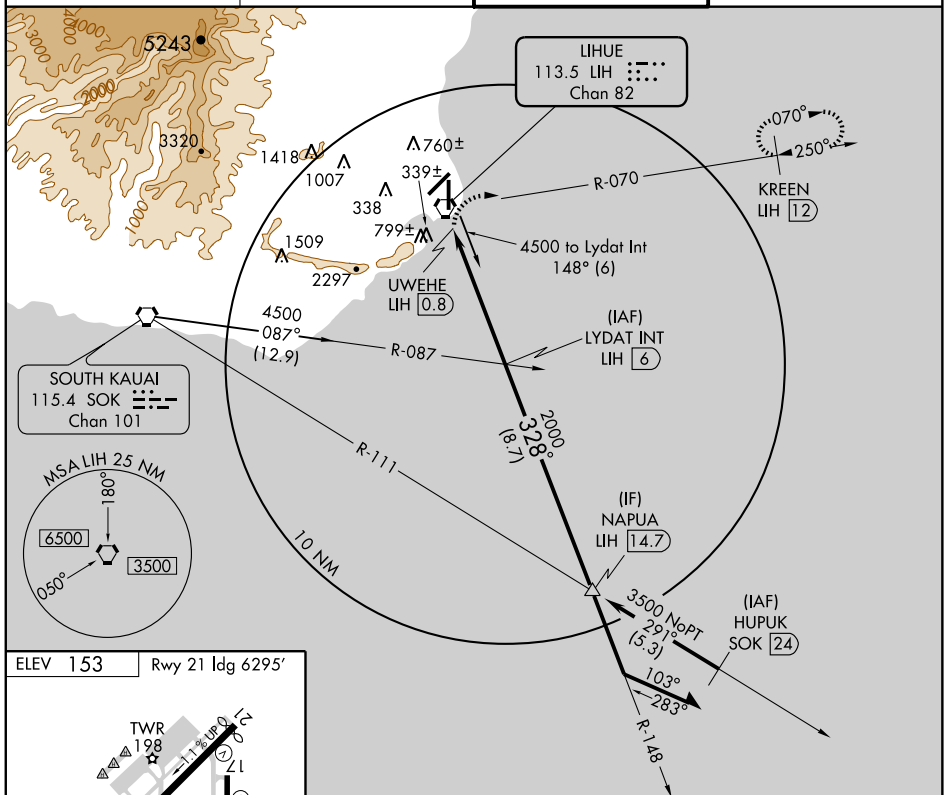
VORTAC LIH 113.5 Chan 82	APP CRS 328°	Rwy ldg 6500 TDZE 96 Apt Elev 153

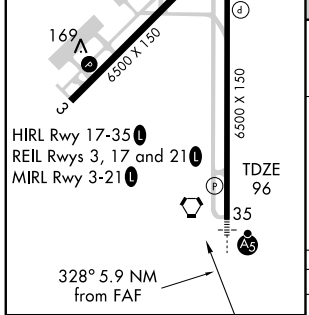
Circling NA at night. DME or RADAR REQUIRED
Inoperative table does not apply.
Circling NA west of Rwy 17-35.

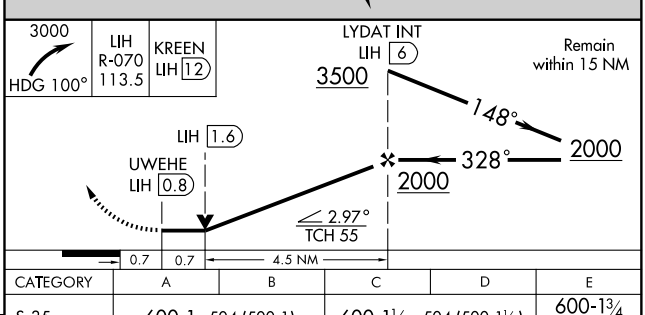
MALSR

MISSED APPROACH: Climbing right turn to 3000 via heading 100° and LIH VORTAC R-070 to KREEN/12 DME/RADAR and hold.

ATIS	HONOLULU CENTER	LIHUE TOWER ★	GND CON
127.2	126.5 269.4	118.9 (CTAF) 263.1	121.9







CATEGORY	A	B	C	D	E
S-35	600-1 504 (500-1)		600-1½ 504 (500-1½)		600-1¾ 504 (500-1¾)
CIRCLING	600-1 447 (500-1)	620-1 467 (500-1)	620-1½ 467 (500-1½)	720-2 567 (600-2)	

Knots	60	90	120	150	180
Min:Sec					

PAC, 03 JUN 2010 to 29 JUL 2010